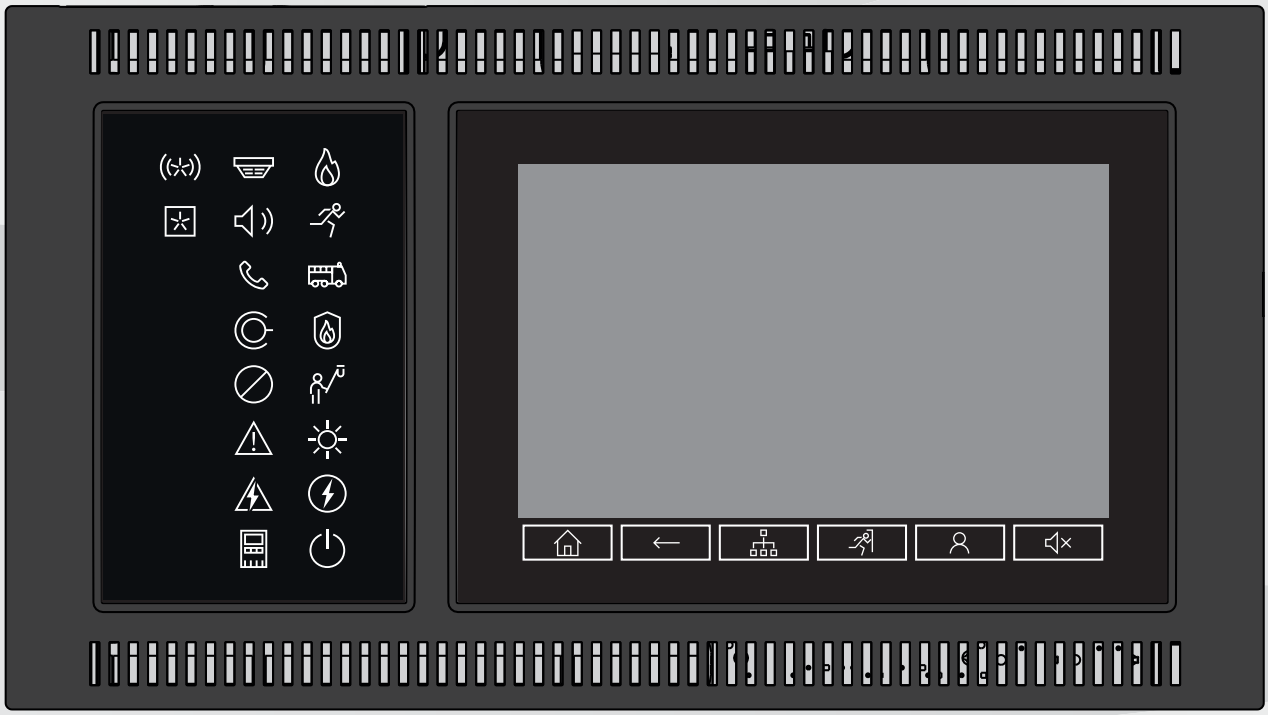
FPA-5000 | FPA-1200 | AVENAR panel 8000 | AVENAR panel 2000 | AVENAR keypad 8000

FPE-8000-SPC | FPE-8000-PPC | FPE-2000-SPC | FPE-2000-PPC | FPE-8000-FMR



is Operating manual

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1 For your safety

Before using the equipment, please familiarize yourself with these instructions. If you do not read and understand these explanations, you will not be able to operate the equipment without problems.
The operating instructions do not eliminate the need for training by authorized personnel.



Warning!
The device must only be operated by trained personnel. See *Required knowledge for staff, Page 8*.

This user guide does not contain general or special information on safety issues. Information on these topics is provided only to the extent necessary for the operation of the equipment.

Make sure you are familiar with all safety-related procedures and regulations in your country. This also includes how to proceed in the event of an alarm and the initial steps to take if a fire occurs.

The user manual is a mandatory part of the system and must be made known to the new owner if the system is sold.



Warning!
The personal access code (consisting of the user ID and password) must not be communicated to third parties.



Warning!
The device must be turned off using a power button. Do not disconnect the device from the power supply while the system is running. This may cause damage to the device. After turning off the device, restart it properly using the power button.

1.1 Touch screen handling



Caution!
Do not use pointed or sharp objects (e.g. screwdrivers, pencils, etc.) on the
when operating the touch screen. The touch screen should not be exposed to direct sunlight.
sun. Either of these can seriously damage the touch screen.



Caution!
Recalibration of the screen at The central air conditioning system must be carried out at least once a year. The
contrary, the previous either central air conditioning system may be limited or even impossible without a
recalibrated operation.

1.2 Maintenance

Clean the touch screen and surfaces with a soft, slightly damp cloth. Do not use cleaning agents and make sure that no liquid gets inside the device.

1.3 Use according to standards

The panel controller is designed to operate the AVENAR panel 8000/2000 fire panel. It can perform the following tasks:

– Display and process various types of messages such as alarm messages and incident messages

– Cancel, block and reset items
– Monitoring and control of sound devices and outputs
– Take a test
– Display diagnostic information about all LSN elements
– Detector settings (short texts and detector sensitivity)
– Carry out an evacuation
– Save, display and print events
– Switch the system to Day or Night Mode.



Warning!

Manual control of evacuation zones and exits connected to fire protection equipment (e-Matrix) are user functions without regulatory requirements, as these features are not within the scope of EN54-2.

1.4 Knowledge required for staff

Only trained personnel can process the display of event messages on the central controller.

System testing and detector configuration should only be performed by trained and authorized personnel.

2 For your information

This operating guide contains important information and notes on the use of AVENAR panel 8000/2000.

With step-by-step instructions, you can familiarize yourself with the individual functions:

– The section *In summary, Page 14* provides an overview of operation, display elements, and the touch screen.

- In *Operating principle, Page 21*, you will receive information on how to navigate through the individual menus and what selection options are available to you.

Each function is described in detail in an individual chapter.

You will find specific topics in the index. If you are already familiar with menus, you can use the overview of all menus in *All functions at a glance, Page 12*.

2.1 What's new?

The AVENAR panel 8000/2000 is the successor to the modular fire control panel FPA-5000/FPA-1200. The AVENAR panel 8000/2000 combines a new, powerful platform for the control panel with all the most stable safety features known. When operating the AVENAR panel 8000/2000, please note the following important innovations:

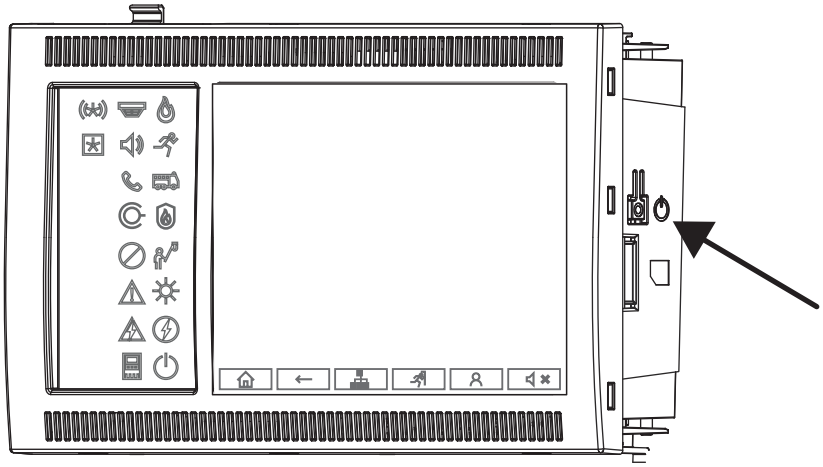
Physical Node Address (PNA/RSN)

The physical node address of the panel is defined in the panel firmware when the panel is first powered on. The Physical Node Address dialog box replaces the rotary mechanical switches.

For more details, see *Initial Setup, Page 22*.

Power button

The control panel must be switched on and off using a power button located on the right side of the control panel. A reset of the control panel is also performed using the power button.



For more details, see *Activate and deactivate, Page 21*.

Calibration of the touch screen

Calibration access during boot, page

The touch screen starts via the boot menu, which can be accessed through the central boot process, for details. *Christmas menu 92*.

See

– Boot Menu, Page 92

2.2 Open Source License Agreement

Warning!

Bosch Sicherheitssysteme GmbH uses open source software in this product. The declaration of the components and their respective licenses can be found at http://www.boschsecurity.com/oss/.

23 Accessing the start menu

4 Press .

You can use this key to return from a submenu to the Start menu.

2.4 Changing the display language

The language of the control panel can be quickly changed with a shortcut:

1. Press  to open the start menu.
2. Press 1 on the alphanumeric keypad.
3. Select**Accept**to confirm the entry or**Cancel**to cancel the operation. A list of existing languages is displayed.
4. Select the language you need.
   All elements on the screen now appear in the selected language.

Warning!

After the system boots up after a power failure or battery failure, the default language set on the FSP-5000-RPS device is displayed again.

2.5 Warranty and liability

Warranty claims and liability claims for personal injury and property damage are not accepted if they were caused by one or more of the following reasons:

– Use of the fire station contrary to regulations

– Improper configuration, installation, commissioning, operation or maintenance

– Omission of the instructions indicated in the user manual

– Subsequent construction modifications

– Defective repairs

– Catastrophes, influence of foreign bodies and force majeure.

Without permission from Bosch, no changes or additions may be made to the control unit or the central controller, nor should they be rebuilt.

Reconstruction requires written permission. In the event of unapproved construction changes, all warranty claims against Bosch become invalid.

2.6 Copyright

Bosch Sicherheitssysteme GmbH, Robert-Bosch-Ring 5, 85630 Grasbrunn, Germany retains the copyright for all documentation. Without the express written permission of Bosch, no part of these documents may be duplicated or transmitted in any form.

Bosch reserves the right to change this manual without notice.

3 All functions at a glance

Main menu



Cancel Block	**Diagnosis**
Maintenance	**Configuration**
Switch to Day Mode	**Other functions**
Control monitoring	**Reset**

Cancel/Block

Annular **Block**	->	**Show devices blocked/ cancelled**	**Select by number**		**Buzzer**	**Printer**
		Signaler	**Transmitter**		**HVAC**	**Retainer**
		Detector/ Button	**Logical zone**		**System of extinction**	**Indicator**
		Annular/ Block cluster	**Further...**	->	**Element of control**	**Module**

Diagnosis

Diagnosis	->	**Item details**	**Modules**
		Hardware	**Data from the power plant**
		LED Module Testing	**Historical**
		Network services	**Voice alarm system**

Maintenance

Maintenance	->	**Proof**	**Change language**
		Activate outputs	**Activate transmitter**
		Historical	**Buzzer**

Configuration

Configuration	->	**Set node address (RSN)**	**Set up groups**
		Detector Sensitivity	**User**
		Rename elements	**Summary**
		Network services	**About...**

Other functions

Other functions	->	Change date/time	Master Password
		Remote Services	Change password
		Evacuate	Alarm counters

Control / Supervision

Activate door stop	Activate HVAC
Activate control element	Search function
Go to item	

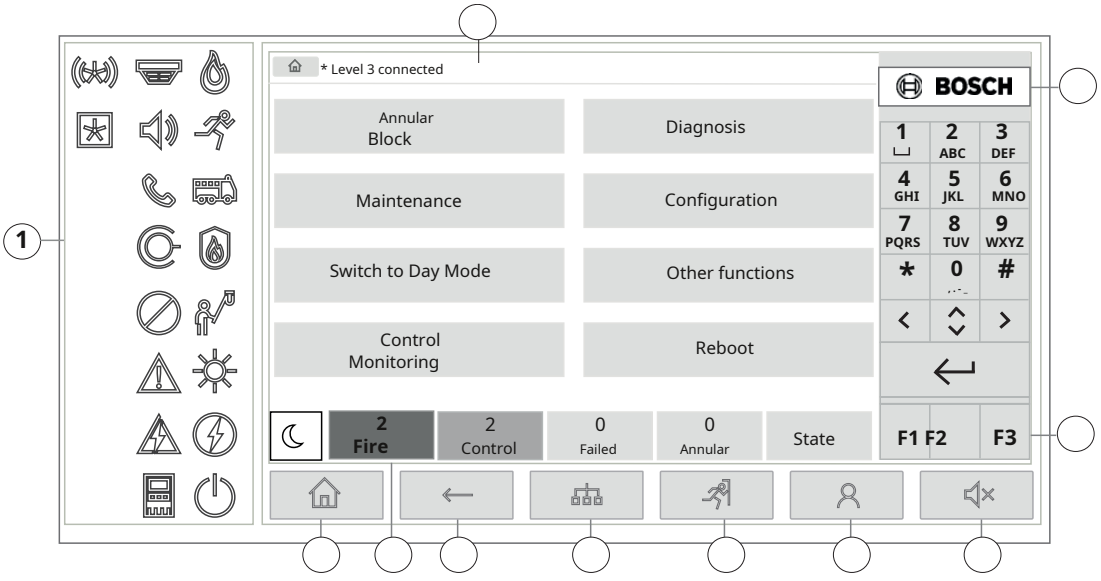
Reset

Reset	->	Type of event	Scope
		Logical zone	Detector/Push Button
			This power station

4 In summary

This chapter contains information about the following elements of the plant controller:

– *Operating elements, Page 14*
– *Status LED, Page 15*
– *Touch screen, Page 17*
– *View Support Information, Page 20*



1	Status LED	6	Display a list of networked PBXs and establish a remote connection to one of them
2	Information bar	7	Display and control all alarm zones
3	Status bar	8	Log in to the central and open the menu personalized
4	Open start menu	9	Mute the internal buzzer
5	Return	10	Function keys, programmable
		11	View support information

4.1 Operating elements

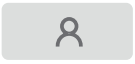
Fixed keys

To select a function, touch the appropriate key.
The following functions can be performed with the fixed keys at the bottom of the screen:

	"Start" key. Access to the start menu.
	Return to the previous selection.
	Displays a list of networked PBXs and establishes a connection remotely with a networked control panel or remote keypad.



Display and control all alarm zones.



Login and Logout: Enter your user ID and password, or access the custom menu if you are already logged in.



Temporarily silence the internal buzzer.



"Left arrow key." Moves the cursor one position to the left in the search screen.



Right arrow function key. Move the cursor one position to the right in the search screen.



Double arrow function key. Switches between status bars if two or more are available. Displays the status bar for quick scrolling through lists.



Confirmation function key. Confirm an alphanumeric entry. Confirm an entry that is not confirmed by selecting the field **Accept**on the touch screen.

Alphanumeric keyboard
Allows you to enter letters, special characters and numbers.

Function keys
There are three function keys F1, F2 and F3 that are fully programmable with the most frequently used functions of the control panel using the programming software. When a function key is active, it is marked with a green bar.

Alphanumeric keyboard
Allows you to enter letters, special characters and numbers.

4.2 Status LED

18 status LEDs display information about the operating status of the fire panel.

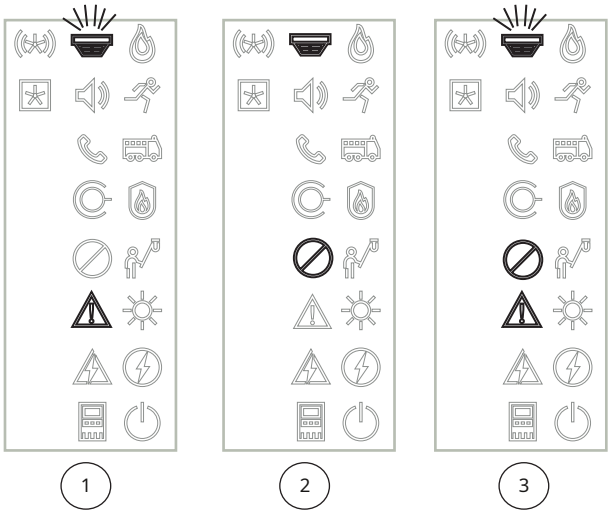
	Color*	Meaning
	R	Fire Alarm
	R	Evacuation in progress
	R	Fire alarm transmission activated
	R	Fire protection equipment activated
	TO	Maintenance mode

	TO	Day mode/delays active
	TO	General deactivation
	TO	General breakdown
	TO**	Fire detector faulty/deactivated
	TO**	Signaling device with fault/disabled
	TO**	Alarm transmission device faulty/disabled
	TO**	Exit to damaged/deactivated fire protection equipment
	TO	Power failure
	V	Food available
	TO	System/central failure
	V	System in operation
	R	Programmable LED for self-defined alarm
	TO**	Programmable LED for self-defined fault/disable
	* A = yellow, R = red, V = green * * flashing: fault; steady: disabled	

LEDs for the status of devices such as detectors , devices of signaling, alarm transmission devices and the outputs of the equipment  fire protection  They always light up in combination with the fault icon

general or with a general icon disabled depending on your condition. Also, in case of fault, the LED of the respective element flashes while the LED indicating the general fault lights up yellow.

Example:



1 Device fault indication

2 Device disabled

3 Device disabled and in fault state

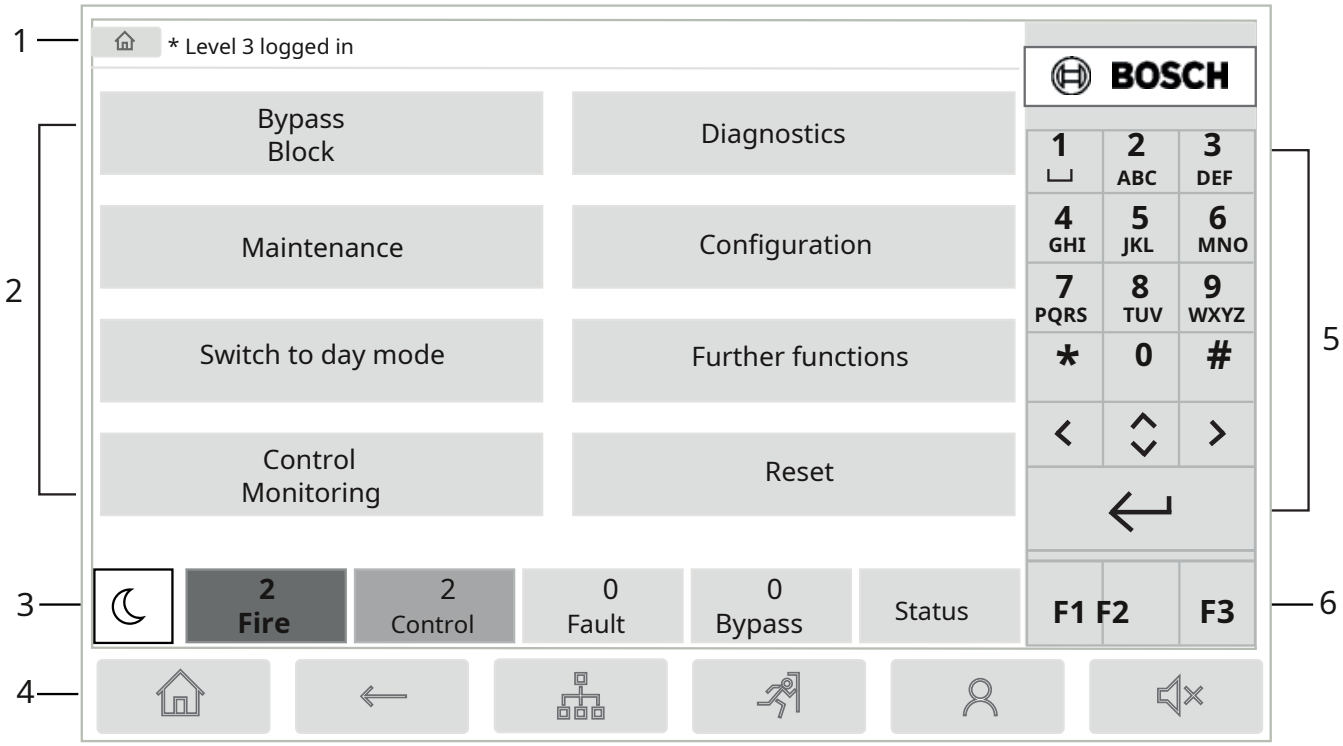
Warning!

Since neither the central nor the power supply can be in the "off" state, the system failure and the power failure icon will They light up in yellow in the "breakdown" state.

4.3 Touch screen

Caution!

Do not use pointed or sharp objects (e.g. screwdrivers, pencils, etc.) when operating the touch screen. The touch screen should not be exposed to direct sunlight. Doing so may seriously damage the touch screen.



1	Information bar	4	Fixed operation keys
2	Menu field	5	Alphanumeric keyboard
3	Status bar	6	Function keys, programmable

Information bar

The information bar displays general information such as text or icons.

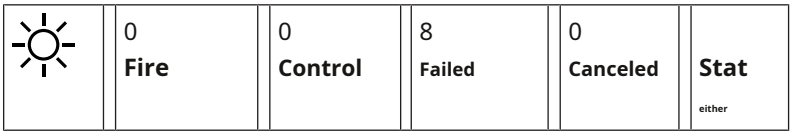
Icon	Meaning
	No connection has been established. Only displayed on the central.
	No connection established. Only displayed on keyboard.
	Remote connection established. The operator has restricted use of the remote control: no control, only monitoring.
	Remote connection established. The operator has full control at the remote control center.
	Remote connection established. A remote operator has full control over the plant. The plant is locked for local access.
	Ground fault detected.
	Operator connected.

Text	Meaning
Central 4-1	Logical node address
Access level 3	Access level of the logged in operator. Maximum levels: 2, 3 or 4 They are only displayed in the main menu.
Skip Block\Block\Detector	Menu selection path Due to space reasons it is not always possible to show the complete route.

Menu field

To select a main menu, touch the corresponding menu field on the touch screen. In the*All functions at a glance, Page 12*There is a summary of all the main menus with their corresponding submenus.

Status bar



This status bar is available in every menu. In addition, there are other status bars in some menus. See also*Switching between status bars, Page 30*: The first number specifies the number of elements in the corresponding state:

Fire	Number of groups that have activated a fire alarm
Control	Elements that are activated
Failed	Items that have reported a fault
Canceled	Disabled items

In addition, it is possible to display a summary of the type and nature of the message types received by the exchange:

State	Display of a list of the different message and status types and the number of events in the corresponding status

To display individual items, touch the corresponding field with your finger.

The state fields**Control**and**Failed**They are identified with the letters "B" and/or "C":

– “B” means that controllers of type B (GB) fire protection equipment are affected (e.g. unsupervised control elements).

– “C” means that type C fire protection equipment controllers (GC) are affected (e.g. extinguishing systems).

4.4 Sleep screen

When the touch screen is not working, its backlight will turn off after 5 minutes.

Aviso!

Yeah alarm occurs in 60 minutes. The screen will ctVAT or a fault message, the cut-off light goes off after this message and trappear after 30 seconds. is displayed from any other menu item .

Yeah the screen is in color with the next following information on the eg, press gently to view the standby screen. The screen appears standby screen:

- Date
- Hour

– Night mode

either

– Day mode

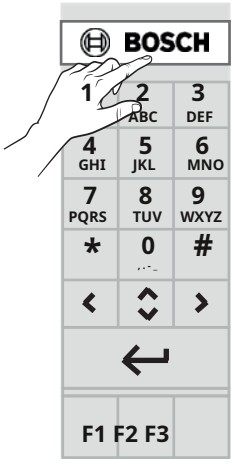
either

– Night/day combination

Depending on the settings, additional information may appear.
In a network fire detection system, more icons may be displayed on the standby screen depending on the network configuration.

4.5 View support information

To display the address of the company providing the maintenance service, tap the company logo in the top right corner of the control panel screen.



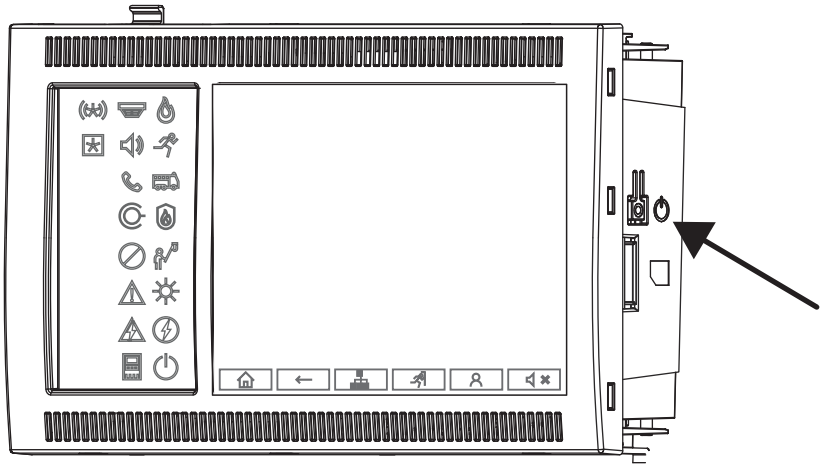
Warning!
Maintenance information is only displayed if it has already been entered into FSP-5000-RPS.

5 Operating principle

5.1 Activate and deactivate

Power button

The fire panel must be switched on and off using a power button located on the right side of the panel. A reset of the panel is also performed using the power button.



Warning!

Do not unplug the control panel to restart it. Always use the power button. Unplugging the control panel when it is in operation can cause serious damage to the hardware and software.

The functions of the power button are:

– Press once briefly: start the control panel

– Press once briefly on the operating central unit: turns off the central unit

Warning!

A confirmation sound is produced when the closing sequence is starting.

Shutdown is complete when the "general fault" status LEDs are lit and "failure of the "system/central" . Wait until the shutdown is complete before interrupting the feeding.

Warning!

After turning off it turns off the central, interrupt the power supply. If a central is but does not unplug fa, after 10 seconds it emits a warning tone as reminder.

– Press for 8 seconds: interrupt the control panel and restart it (for example, in case of software failure re).

To pouring !

S you owe it to us t Year esta for m to to interrupt the plant if the system does not react or if it has been pi that he has aga si l to center to the executed in a safe state.

Is safe condition either

Warning!
To prevent the PBX from running in a safe state, do not restart the PBX twice within 100 seconds.

If the control panel is rebooted twice within 100 seconds (either due to a system error or intentionally, for example during initial installation), it runs in a safe state that can only be terminated by a manual reboot. A warning tone sounds and a message appears on the screen. In this case, follow the instructions on the screen.

5.2 Initial setup

When you start the control panel for the first time, you must perform the following steps:

Touch Screen Calibration
When you start the control panel for the first time, you must first calibrate the touch screen:
1. Connect the power or press the power button to activate the control panel. The touch screen calibration will start automatically if necessary.
2. Perform the calibration following the instructions on the screen.
   The startup process will continue automatically after the calibration is complete.

Set the time and date
Tap the desired field and enter the correct value. See details at *Changing the date/time, Page 85*.

Configure the physical node address (PNA/RSN)
You must set the physical node address (PNA/RSN) when you turn on the PBX for the first time.

Warning!
There are no mechanical rotary switches.

The physical node address must be identical to the number configured in the programming software. After changing the physical node address, the control panel must be restarted.

To change the physical node address, enter a number between 1 and 64. Choose **Accept and reboot** for the change to be effective.

Use Ethernet settings
Check **Use Ethernet settings** if the PBX is used on an Ethernet network.

Caution!
If you check **Using Et rnet settinge**, it is absolutely necessary to configure the IP address of the central unit using **Configuring Ethernet**.

WearRSTP
Active the box **Using RSTP** for lte to enable Ethernet redundancy. For more details, consu Ethernet redundancy .

Confi configure Ethernet
Comprubebe **Setting up Ether nand** to use the standard IP address of the PBX.

Reini cio
After is to have done everything If the necessary adjustments are made, restart the control panel by pressing **Reboot**.

5.3 Connection and disconnection

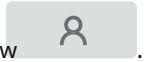
To access access levels 2 to 4, you must log in. The prerequisite is that you have access authorization.

Warning!

To log in, you need a user ID and password. Depending on your access authorization, you can use certain functions.
In the following cases, you will be asked to enter a password:
You are not logged in and want to select a feature that requires a password. You are logged in but a higher level of authorization is required for the selected feature.

5.3.1 Connection

To log in to the central controller:

Press the login key  The login window is displayed:

1. Enter your user ID in the first field.
   See *Entering numbers and text, Page 28* for information on entering numbers.

2. Enter your password in the second field.

Warning!
The default password is: 000000. For security reasons, please change this password, see *Change Password, Page 87*.

3. Select **Accept** to confirm the entries or **Cancel** to cancel the operation. See *Change Password, Page 87* for information on how to set your own password.

   The standby screen is displayed.

Whenever an operator logs in, the key icon will appear on the information bar. In addition, the user ID that has logged in is displayed on the home page of the information bar.
information.

Warning!
In the FSP-5000-RPS programming software, a time interval can be specified after which an operator who was logged into the central controller will be disconnected.

5.3.2 Disconnection

1. To close the control a window is displayed
2. Select **Yeah** for with

or from the central, press  :
to input with the request **Exit level?**: sea the request or
fir **No** to cancel the operation.

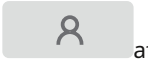
5.4 Access authorization

Warning!
Depending on your access authorization, you can use certain functions of the central controller.

If you want to select a function for which special access authorization is required and no user with the appropriate authorization has logged in, you will be asked to enter your user number and password.

Access authorizations are assigned for access levels two through four. At access level one, only certain functions can be used, while at access level four, all functions can be used.

To check the access authorization of the person who is logged in, press


after login:
The relevant access authorization is displayed.

5.5 Calling the start menu

Press the "Home" key to return to the start menu from any submenu.



Warning!
The display changes from each menu item to the standby screen if no input is made after 5 minutes, in case of alarm or with a fault message after 60 minutes, see also*Sleep Screen, Page 19*.

If the screen is black, tap to view the standby screen.

5.6 Customized menu

Using the FSP-5000-RPS programming software, you can configure a custom home menu that displays up to eight of the functions you need most often right when you log in to the control panel.

To retrieve the custom menu, log in to the control panel: press the start key.
session and enter the user ID and password.


To return from the custom menu to the regular main menu, press the "Home" key.


To return to the custom menu from any other screen, press the home key.
session.



5.7 Select menu

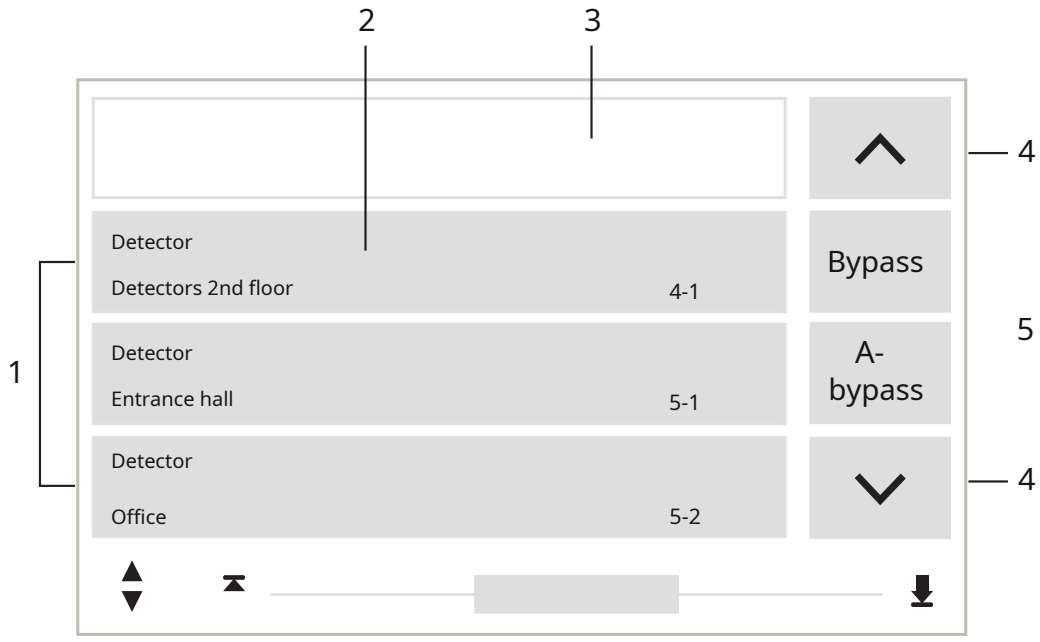
To select a menu in the main menu, touch the desired field with your finger: The submenus appear.
To select a submenu, carefully tap the field you need.

5.8 Return to previous selection

To return to the previous selection, press the backspace key:



5.9 Working with lists



1	List	4	Scroll up/down
2	List field	5	Function fields
3	Search Mask		

In many of the menus, the elements ments appear in lists. Items are sorted by description or by address. Up to three classification criteria can be offered. different asification:

- **By description**: sorted by description in alphabetical order; address also specified assignment.
- **By number**: sorted in ascending order by number (address) logical or physical); description is also provided.
- **By number (do not show description)**: by number (logical ascending year physics) in order direction; numbers are displayed in blocks of numbers and not HEprovides the description. This list is only offered when the following are selected: eithsd detectors and the logical zones.

Example:

To view a list of all existing detectors classified por description in the submenu**Annular**, select the following from the boot menu: 1.

Cancel Block

2. **Annular**
3. **Detector/Push Button**

   Three classification criteria are offered for selection:

- **By description**
- **By number**
- **By number (do not show description)**

4 Select**By description**.
A list of all detectors appears, sorted alphabetically.

5.9.1 Scrolling through lists

Only a limited number of list fields can be displayed on the screen. Select the up arrow key to scroll backwards through a long list:



Select the down arrow key to scroll forward through the list:



The arrow only appears if scrolling is possible.

Fast scrolling:



To quickly scroll through a list, press the "double arrow" key on the keyboard or in the status bar on the screen.
A scroll bar appears in the status bar:



Gently tap the horizontal line to jump to a specific location. To jump to the top of the list, tap:



To jump to the end of the list, tap:



5.9.2 Various states of list fields

Multiple states can be assigned to an item or a group of items, represented by a list field. The following table provides information about the possible states:

List field	State of the list field	Meaning
TEXT	normal	Element in normal state
TEXT	indicated	Selected item
	Assigned mode	The element has been assigned override mode, see the*Assign Mode, Page 27*.

List field	State of the list field	Meaning
	Assigned mode and marked	The selected item has already been assigned a specific mode. It is selected to reset it to its original mode; a disabled item is un-disabled, for example.
	In mode of restoration either	The item's restoration is not yet complete.

"Cancel" menu

On the menu**Annular**, list fields can display additional information; see the following table:

List field	In the Cancel menu
	The bypassed element is in alarm mode. If it has been unbypassed, it triggers a fire alarm. To display more information, click the right field.
	A deletion group consisting of several elements is shown. To display a list of all items in the override group, click the right field.

5.9.3 Assign mode

A mode such as Override, Test, etc. can be assigned to selected items. To assign a mode to selected items, select the corresponding function field.

In the following example, a detector is assigned to bypass mode in the menu**Cancel Block**: 1. Select the list fields you need from the list.

List fields are marked.

2. Select the function field**Annular**.

Detectors are disabled. List fields are highlighted in a dark color.

The hourglass icon indicates that the system is still processing an entry.



Warning!

In the submenu**Annular**, the AC function mpos have an additional selection option; see Viewing and clearing overridden item groups.

5.10 Bsearch function / e yonent

In the lists, you can search. car and display a specific item using the following search criteria: buThe s are offered ig

- **By description**: the the and then the list is searched by its description.
- **By number**: the element nto is searched in the list by its number. In some menus, it is offered of the search function to**By number (do not show description)**.

In the main menu**Search function/element**, it is possible to search for all elements connected to the system and all functions offered by the control panel controller, as well as equipment descriptions, regardless of the menu in which they appear; see Search for function/item.

5.10.1 Search by name

To search in the**By description**list a specific item, enter the name of an item in the search screen.

Entering numbers and text explains how to enter text. Enter the first
letter and, if necessary, additional letters.
The name is automatically completed once it has been uniquely recognized. The list field for the item you are looking for appears at the top of the list.



Warning!
The more precise the description of an item entered into the FSP-5000-RPS programming software, the easier it will be to search by name.

5.10.2 Search by number

To search in the**By number**and**By number (do not show description)**list for a particular item:

1. Enter the first digit, for example, 1.
2. Press the "Enter" key to confirm the entry.
   If another number can be entered, a second search window is displayed.



Warning!
If no other field is offered, there is no item within the addressing you searched for.

3. Enter the next digit and confirm your entry with the "Enter" key.
4. If necessary, enter more digits until the number is complete. You must confirm each entry with the "Enter" key.

The list field for the item you are looking for appears at the top of the list.

5.11 Entering numbers and text

Key	Character
0 .,-_	.,-_0
1 ␣	␣ 1
2 ABC	ABCabc2
3 DEF	DEFdef3
4 GHI	GHIghi4

Key	Character
5 JKL	**JKLjkl5**
6 MNO	**MNÑOmnño6**
7 PQRS	**PQRSpqrs7**
8 TUV	**TUVtuv8**
9 WXYZ	**WXYZwxyz9**
*	*****
#	**#**

You can enter letters and numbers using each of the keys shown. Press the corresponding key on the membrane keypad until the required letter or number appears.



Warning!

Only numbers can be entered in the search screen.**By number**and**By number (do not show description)**. On the list search screen**By description**, both letters and numbers can be entered.

Quick Introduction:

To enter text quickly, press the confirmation key after entering each letter.

This moves the cursor to the next free character and you can continue entering the next letter.

5.11.1 Change an entry

1. To change a number, press the left arrow or right arrow keys until the cursor highlights the number on the search screen to be replaced.
2. To overwrite the dialed number, press the key with the required number until the number you want appears on the search screen.

5.11.2 Delete all numbers

1. To clear all numbers from the search screen, press the left arrow key until the cursor highlights the first number.
2. Enter a new number using the numeric keypad. All numbers preceding the entered digit are deleted.
3. If desired, continue entering numbers.

5.12 Changing the display language

There are two ways to select another language screen:

– Entering a shortcut
– Through a menu selection

5.12.1 Enter by shortcut

The language of the control panel can be quickly changed with a shortcut:

1. Press  to open the start menu.
2. Press 1 on the alphanumeric keypad.
3. Select **Accept** to confirm the entry or **Cancel** to cancel the operation. A list of existing languages is displayed.
4. Select the language you need.
   All elements on the screen now appear in the selected language.



Warning!
After the system boots up after a power failure or battery failure, the default language set on the FSP-5000-RPS device is displayed again.

5.12.2 Change language via menu

1. From the start menu, select **Maintenance**
2. **Change language**
   A list of languages that can be selected appears.
3. Select the language you need.
   All elements on the screen now appear in the selected language.

5.13 Switching between status bars

The status bar provides additional functions, screens, and selection options.
If the double arrow symbol appears in the status bar, it is possible to switch to the task bar.

status to view the boot menu. To do this, press the "double arrow" key on the  keyboard.

5.14 Repose

When the touch screen is not working, its backlight will turn off after 5 minutes.



Warning!
If an active alarm or fault message occurs, the cut-off light turns off after
60 minutes. The display returns to this message from any other menu item after 30 seconds.

If the screen is black, tap gently to see the standby screen.

5.15 Logical and physical addressing

When addressing elements, a distinction is made between logical and physical addressing:

Physics either			
He mentos	Modules	Ribbon	Element
No. Eros	5	1	4
Logistics C either			
He mentos		Area	Element
No. Eros		3	4

Examples:

Element with physical addressing: 5.1 - 4 Element with logical addressing: 3 - 4

6 Network operation via Ethernet

6.1 IP settings

To change the Ethernet settings or configure them for the first time, select from the start menu:

1. **Configuration**
2. **Network services**
3. **Ethernet**. The screen will appear**Configure Ethernet**.
4. Check the checkbox**Use Ethernet settings**.
5. Select**IP Settings**. The IP address, network display, default gateway, multicast address, and port number are displayed. When you start up the central controller for the first time, all values are set to "0".
6. Select**Default settings**to overwrite these values with the default settings saved in the panel controller (recommended). The IP address in this case corresponds to the stored IP address, the last number of which matches the physical node address (PNA/RSN) that was set during installation on the panel controller.
7. If the planned configuration requires a change to the default values: Touch the field containing the value to be changed. Use the arrow keys on the control panel to select the desired numbers and modify the values using the numeric keys on the alphanumeric keypad.

   EITHER:

   touch the field**Change**. Touch the field containing the block of numbers you want to change. Use the arrow keys on the control panel to select the desired numbers and modify the values using the numeric keys on the alphanumeric keypad. Touch**Accept**to apply the changes or**Cancel**to discard them. Returns you to the home screen**IP Configuration**.
8. Select**Accept**to apply changes to IP settings or**Cancel**to discard them. Returns you to the screen**Configure Ethernet**.
9. Select**Accept**to confirm the application of the Ethernet settings (**Use Ethernet settings**) either **Cancel**to exit the screen without activating the Ethernet settings.



Warning!
Changes to Ethernet settings will take effect after restarting the PBX.

6.2 Diagnosis

Information about network problems can be found in the element information on the following is

n of diagnostics and support materials to identify menu items m**Diagnosis**-**Network services**. Topics are provided:

– **Route table**
  Information about access via the respective interface Yeah ct
  lity of all nodes within the VAT network system.
– **Eth ports.**
  Information about different available in the control tea d
  a parameters and the status of the two Ethernet interfaces of the central.
– **Send Ping Command**

Sending a ping command to a specific IP address to check the availability of other nodes on the network.

– **Check. consist.**
  The check performed determines whether the Ethernet configuration of the FSP-5000-RPS corresponds to that loaded in the control panel controller. In case of discrepancies, a fault message is displayed.
– **Ethernet redundancy**
  Redundancy information. The RSTP parameters of the RSTP hub and the root bridge are displayed.
– **Remote Services**
  Information regarding Remote Services features and status. More information can be found on the Remote Services page.*Network Services, Page 62*.

7 Remote keyboard

7.1 Operation and display

A remote keypad is programmed by default to display messages even if no operator is logged in. In this case, operation of all functions with access level = 1 is possible.

Warning!
In the FSP-5000-RPS programming software, it is possible to specify that if no operator is logged in, only the standby screen is displayed. In this case, no LEDs are activated and no messages are displayed. To activate the LEDs and display messages, an operator with access authorization > 1 must be logged in.

If the remote keypad is not connected to a control panel, the following symbol appears on the standby screen and in the status bar: 

Warning!
In the FSP-5000-RPS programming software, a time interval can be specified after which a user logged into the panel controller will be disconnected.

7.2 Connection to remote central

Using the remote keyboard it is possible to establish a connection to a remote control panel.

1. Press .
   The screen displays a list of available network nodes.
2. Select a node and press **Accept**.
3. Press again **Accept**. P
   The connection to the remote control has been established.

Depending on the connection type, a symbol is displayed on the standby screen and in the status bar:

– : the operator has full control of the remote control
– : the operator is restricted from using the remote control: no control, only monitoring.

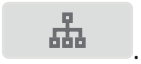
Warning!
When another operator is already connecting with restricted use. establish a connection with c
cLocally connected to the remote central, a Helocal operator must log out first before being able to have full either control.

Warning!
If you know has established a rowing connection is blocked for alo center to the remote indicate the access
xiórremote with full control of the remote central, the central c eso cal. The standby screen and the status bar of the SWlocked with this symbol: 

Warning!

It is also possible to establish a connection to a remote control panel via another control panel.

Closing the connection to the remote central

1. Press .
2. Press**Yeah**to confirm. P

   The connection to the remote center has been closed.

8 Alarm

Warning!
You can find information on how to handle a fire alarm at the *Fire Alarm, Page 43*.

This chapter contains information on the following points:
- *Alarm Types, Page 36*
- *Entry Delays, Page 36*
- *Day and night modes, Page 37*
- *Alarm message to the central, Page 38*

Refer to the Fire Alarm chapter for the following topics:
- *Acknowledging a message, Page 44*
- *Muting the internal buzzer, Page 44*
- *Activating and silencing signaling devices, Page 44*
- *Resetting signaling equipment and transmission equipment, Page 44*
- *Activating alarm verification, Page 45*
- *Resetting an alarm message, Page 46*
- *Detector Bypass, Page 47*

Warning!
Depending on your configuration, the way alarm indicators are displayed and handled in this guide may be different from that indicated in the system guide.

8.1 Types of alarm

In the central controller, a distinction is made between the following types of alarm:

- **Fire**
- **Heat**
- **Smoke**
- **Water**
- **Technical alarm**

Depending on the settings, external transmission equipment (e.g.
example, fire departments), alarm devices (e.g., sirens and/or strobe lights) and fire protection systems (e.g., sprinkler systems, fire doors).

Warning!
If a delay is programmed to the weapon for the detector that activates it, the signal is not sent from immediately and can be co mtest the message; see Input Delays.

8.2 Retentrance fires

For e avoid false alarms, and possible to delay the transmission of the first alarm signal. The dis positive transmission to l department is not activated immediately in this c aso. During the delay ea dantde alarm, you can check the message to make sure that s correct.

The FSP-5000-RPS programming software can be used to program various false alarm avoidance strategies. These strategies are primarily used on fire detectors, but can also be assigned to any other detector, depending on the configuration.

The alarm delays that can be displayed on the panel controller screen are explained below.

Alarm verification
When the alarm message is acknowledged at the panel controller, an investigation time is initiated. During this time, the message must be checked at the location of the alarming detector to ensure that it is correct. The verification time length can be freely programmed for each detector. See also Fire Alarm and Activating Alarm Verification.

If during testing it is determined that the alarm is real, an alarm can be activated manually or by activating a push button alarm. The transmission device to the fire department is activated.

Depending on the configuration, a pre-alarm signal appears for the following alarm delays:

– Intermediate alarm storage
If a detector with intermediate alarm storage triggers an alarm, it appears as a pre-alarm signal in the system. The transmission device to the fire department is not activated. The detector generating the alarm is reset after the first signal.

The pre-alarm signal becomes an alarm if the same detector triggers an alarm signal again within the set time. The time until which a main alarm will be active is indicated on the display. The transmitting equipment and the signalling equipment are activated.

– Coincidence of two detectors
If a detector triggers an initial alarm within a two-detector unit, it is displayed in the system as a pre-alarm signal. The transmission device to the fire department is not activated. The detector generating the alarm is reset after the first signal.

The pre-alarm signal becomes the main alarm when a second detector in the same logical zone triggers an alarm. The transmitting equipment and monitoring devices
alarm are activated.
– Dependence on two zones
If a detector triggers an initial alarm within a two-zone room, it is displayed in the system as a pre-alarm signal. The transmitting device to the fire department is not activated. The detector generating the alarm is reset after the first signal.

The pre-alarm signal becomes the main alarm when a second detector in a different logical zone triggers an alarm. The transmitting equipment and the signaling equipment are activated.

8.3 Day and night modes

Aviso!
HEDepending on the settings, night orma in which the difference between day mode and nte to the
mtime background may be different.anelsystem is shown.

Depending on the settings, an incoming alarm is handled differently in day and night modes:

Night mode



Night mode has the highest security level. Depending on the setting, the alarm message is transmitted to the fire department without delay. Signalling equipment (e.g. sirens) and transmission equipment to the fire department or fire protection systems are activated.

If the transmission device to the fire department is activated, the following LED icon  lights up red:
Depending on the configuration, a detector in night mode triggers a pre-alarm signal if an alarm buffer is used as an alarm delay for this detector.

Day mode





Warning!
Depending on the security level in question, not all detectors can be set to day mode.

Depending on the settings, a distinction is made between the following possible entry delays in day mode:

- **Alarm verification**
- **Pre-alarm**
  A pre-alarm signal appears for the following alarm delays:
  – Alarm Verification
  – Coincidence of two detectors
  – Dependence on two zones
  For a detailed description of the different alarm delays, see Entry Delays.

- **Internal alarm**:
  An alarm is signaled to the control panel in day mode. No transmission device is activated to the fire department.

8.4 Alarm message to the central

The following description is based on a sample fire alarm message.

8.4.1 Optical and acoustic signals

– The LED alarm icon  lights up red.
– An internal buzzer sounds; see also the *Muting the internal buzzer, Page 44*.

– Depending on the configuration, visual and/or acoustic alarm devices (e.g. sirens, strobe lights) are activated.
If the transmission device to the fire department is activated, the following LED icon  lights up red:

8.4.2 Display of detector zones in alarm state

The number of messages in question is displayed in the status bar.

Warning!
First, the logical zones in which one or more detectors have triggered an alarm are listed. To view individual detectors, select the desired logical zone. See also the option *Viewing individual detectors in a logical zone, Page 41*.

Individual messages are displayed on the screen:
– List fields with white background: unrecognized alarm messages
– Undistinguished list fields: recognized alarm messages

Logical zones

Warning!
A maximum of four alarm messages can be displayed on the screen at a time. Only fields that can be operated are displayed (e.g.**Recognize**and **Reset**).

If more than four alarm messages have been received, scroll through the list to view the next messages.

Warning!
The most recent message always appears at the bottom of the list.

Display during alarm
The buttons located below the alarm message on the screen can be used to initiate the corresponding actions:

Recognize	**Mute** **mermaids**	**Activate sirens**	**Reset**

– **Recognize**: Tap this button to acknowledge all alarm messages displayed on the screen; see also Acknowledging a message.
– **Silence sirens**: Tap this button to disable external alarm devices activated; see also Activating and deactivating external signaling equipment.
– **Activate sirens**: Tap this button to activate disabled external alarm devices; see also Activating and deactivating external signaling equipment.
– **Reset**: Tap this button to reset all alarm messages displayed on the screen; see also Resetting an alarm message.

8.4.3 Alarm message sequence

Messages appear in chronological order.
– The newest alarm message for a logical zone always appears at the bottom of the list.
– The first and oldest alarm message for a logical zone always appears at the top of the list. The next three messages appear as you scroll down the list.

Warning!

30 seconds after the last entry (e.g. after scrolling through the list), the first and oldest alarm appears again at the top of the list.

8.4.4 Information on logical zones in the state of alarm

The alarm message contains information about:

– The category of elements
– The type of message
– The direction of the detector group
– The number of detectors that have triggered an alarm in the logical zone in question
– The number of the message
– Depending on the configuration, additional information such as your location in the facility

Example:

Fire		Area	00005	
No. 001	Office 1			(6)

Message type

The type of message is indicated**Fire**.

Depending on the configuration, the message type can be defined more specifically, e.g. PAS Fire for a fire alarm with alarm verification.

Logical zone address

00005: The fifth logical zone activated the first alarm.

Number of detectors

(6): In the fifth logical zone (00005), six detectors (6) have triggered a fire alarm. For logical zones consisting of only one element, the number of detectors is not displayed.

Warning!

Depending on the system configuration, the logical or physical address of the detector is displayed.

Message number

Alarm messages are numbered chronologically.

The message number on the second line indicates in which sequence the alarm messages have entered.

No. 001: The first alarm message that has come in.

Depending on the configuration, additional information is displayed on the second line, such as the installation location of the logical zone.

8.4.5 The newest message

The most recent message always appears at the bottom of the list.

The number (e.g. #008) of the last message indicates the total number of logical zones in which one or more detectors have triggered an alarm.

8.4.6 Displaying individual detectors in a logical zone

To view individual detectors in a logical zone, select the desired logical zone.

Alarm messages from individual detectors are listed:

8.4.7 Information about individual detectors

Each alarm message contains information about:
– The category of elements
– The type of message
– The direction of the detector
– The number of the message
– Depending on the configuration, additional information such as your location in the facility

Example:

Fire		Detectors	00005 - 004
No. 002	Office 1		

Message type
See Logical Zones in Alarm Status Information for information on the message type.

Message address
In this example, the following detector has triggered a fire alarm: 0005 - 004: the fourth detector (004) of the fifth logical zone (00005).
If the detector number, in this case (004), does not appear, this is the alarm message for the logical zone.

Warning!
Depending on the system configuration, the logical or physical address of the detector is displayed.

Message number
For information about the message number (No. 002), see Information about the logical zones in the state of alarm.
Depending on the configuration, additional information is displayed on the second line, such as the detector installation location or the detector type.
To view more information about an alarm message, see Viewing Additional Information.

8.4.8 Viewing additional information

Warning!
As an example, programming and enter an action text for each detector type in the software can be FSP-5000-RPS.

Pato view more information cion individual detectors, select the message from
to the than you want.
ApThe following information appears acion:
– Item Category s

– Type of message
– Date and time of the message
– Physical and logical addressing of the detector
– For LSN detectors only: specification of detector type
– Action text (depending on configuration)

9 Fire Alarm

Warning!
Detailed information about alarm types, alarm delays and the panel controller display can be found in the*Alarm, Page 36*.

This chapter contains information on the following points:
- *Optical and acoustic signals, Page 44*
- *Acknowledging a message, Page 44*
- *Muting the internal buzzer, Page 44*
- *Activating and silencing signaling devices, Page 44*
- *Resetting signaling equipment and transmission equipment, Page 44*
- *Activating alarm verification, Page 45*
- *Resetting an alarm message, Page 46*
- *Detector Bypass, Page 47*

Fire alarm signaling
A fire alarm is indicated visually and acoustically on the control panel:
– Displaying the logical zones on the screen



– Turning on the “Alarm” LED icon
– An internal buzzer sounds in the system.

Warning!
Alarm messages have the highest priority compared to all other message types. If a fire alarm is reported, the system automatically switches to an alarm indication.

9.1 Evacuation

You can manually control all available evacuation zones.

Press the evacuation button  to open the list with all evacuation zones available. To search for a specific area, enter the number of a group of notification devices and press .

Warning!
Individual control of each to group is only possible for central controllers with a Premium license.

Select the group you want to start or stop evacuation of the area.

immediately. Use group  and  to scroll through the list. The background color of the entries change according to its current state.
Select **Fully armed** to control all evacuation groups or **Totally disabled** to stop the activation of all groups at the same time.
The background colors of the groups have the following meaning:
– Red: groups that are controlled actively in case of alarm.

– Fuchsia: groups that are actively controlled without a real alarm, for example in the event of a fire drill.
– Green: groups that are not active.
– Yellow: groups deactivated or in fault condition; it is not possible to control them.

9.2 Optical and acoustic signals

– The alarm LED  and the evacuation LED is on  light up in red
– An internal buzzer sounds; see also the *Muting the internal buzzer, Page 44*.

– Depending on the configuration, visual and/or acoustic alarm devices (e.g. sirens, strobe lights) are activated.
If the transmission device to the fire department is activated, the following LED icon
 lights up red:

9.3 Acknowledging a message

There are two ways to acknowledge messages:
– Select **Recognize** Only those alarm messages that are visible on the screen are recognized.

– Select a message and then press **Recognize**. Only the selected message is recognized.



Warning!
If it appears **Go to Recognize**, select this field to display messages that have not yet been acknowledged.

9.4 Mute the internal buzzer

Press the following key to temporarily silence the internal buzzer:



The internal signal tone is muted.

9.5 Activating and silencing signaling devices

Optical and acoustic signaling devices that have been activated can be deactivated. 4
Select **Silence sirens**.
The siren and/or optical signaling equipment is deactivated.



Warning!
In the following alarm message, all signaling equipment that has been deactivated is automatically reactivated. to

4 PTo reactivate the di and spalarm object, select **Activate sirens**.
S reactivate the e quisignaling position.

9.6 Beef teo of the equi p signaling and equipment tran smission

4 Pto reset the equipment d and transmission or control, select **Control** at the bar
and tatus

Warning!
The display automatically switches back to the alarm indication after 30 seconds. To return to the alarm indication before 30 seconds have elapsed, select**Fire**.

4 Select the signaling equipment.
Only activated signaling equipment is displayed.
1. Select one or more list fields. The list field is
indicated.
2. Select**Reset**.
The control units will be reset to their initial state.
In the field**Control**From the status bar, the number of control elements is reduced according to the number of elements that are reset.
To reset the transmitters, perform the same steps, but in step 1 select **Transmitter**.

9.7 Activating alarm verification

9.7.1 Alarm verification

Alarm transmission is delayed. The alarm message must be checked to ensure that it is correct at the location of the alarming detector. An internal buzzer sounds at the control panel. Signalling equipment (e.g. sirens) and transmission equipment to the fire department are not activated.

The time taken to verify a fire alarm is called the investigation time. The length of this time varies for each logical zone. The investigation time starts if the fire alarm is confirmed within the acknowledgement time at the control panel.

Caution!
If a second fire alarm is reported within the investigation time, all alarm messages are transmitted to the fire department. The investigation time is cancelled.

If a real fire alarm is detected during the on-site inspection, the alarm must be transmitted to the fire department, see*Manual alarm triggering, Page 46*.
Alternatively, a manual fire button can be activated at the location.
If this is a false alarm, the detector that triggered it can be reset or bypassed - see resetting alarm messages and bypassing detectors.

Caution!
All alarm and fault messages from missed detectors are no longer displayed.

9.7.2 Inbeginning of time of investigation

PrCaution!
Yeanother alarm is activated rtote the verification time (external alarm), this is suspended
hadu sta than the in alarms ECndio in queue to reset.

YeaThere is a possibility that eato perform tests, the following time intervals are displayed. n zero:
It rs counters are put in

– **Recognition time**The alarm must be confirmed within the specified time interval.

– **Research time**The alarm must be verified within the specified time interval. A different time interval can be specified for each logical zone or detector.

– **Reset possible in**:time interval after which the detector can be reset. For more information on resetting, see the*Resetting an alarm message, Page 46*.

Caution!
When the recognition time or investigation time is exceeded, the alarm is immediately transmitted to external centers.

To start alarm verification, select**Recognize**within the time shown to confirm the alarm.

Caution!
If the alarm is not confirmed within that period, it will be transmitted to external stations.

The investigation time will be displayed. Alarm verification is started. Test the fire alarm on site within the specified time.

Caution!
If a second alarm is triggered during alarm verification, all alarm messages are automatically forwarded to external centers.
If after the alarm verification is finished, a second alarm occurs (assuming that alarm verification is possible for this alarm), the investigation time is automatically restarted.

9.7.3 Manual alarm triggering

Caution!
If, during the check, a real fire alarm is detected, this alarm in the control panel must be manually transmitted to external centers, such as the fire department. Alternatively, a manual fire button can be activated at the location.

1. To transmit the alarm to cexternal inputs, select**Manual alarm**. confirm
2. Select**Accept**for c The alarm is either the operation.
   forwarded to the de pfire department:
   On the LED display, the icon either turns red.

9.8 Resetting an alarm message

Warning!
The one of The detector can only be here once the time has elapsed**Reset**. Time through FSP-5000-RPS.
of re reset to the default settings. r

How do reset a transmission either, its initial state is restored. The activation of the fire department or
team elements such as either extinguishing systems is restored.

Depending on the configuration, three reset variants are offered:
- Standard
  Reset all messages of the same type:
  All messages of the selected message type, such as fire, are reset.

– Reset all elements that are not in normal state.
– Display of a submenu with four different selection options. Each indicated component can be reset individually:
  – **This power station**
    To reset all elements that are not in normal state.
  – **All the elements in this event**
    To reset all elements that have triggered a fire alarm, for example.
  – **Logical zone**
    A list of logical zones is displayed.
  – **Detector/Push Button**
    A list of detectors is displayed.

To reset an alarm message, select
– **Reset** on the message screen or

– The alarm message and **Reset** in the detailed view:
  Depending on the variant offered (see above), either all elements that are not in alarm state or all message types within the same type are reset.

If different items are offered to reset:
1. Select an item. In the Zone and Detector menu items, a list of all logical zones and affected detectors appears.
2. Select the desired list field. See *Scrolling through lists, Page 26* for information on how to scroll forward and backward in the list.

   This list field is marked.
3. Select **Reset**.
   The selected item/group of items will be reset.

TEXT	R

If a list field is marked with an R, the reset process has not yet been completed for this item.

If an item cannot be restored, it will still appear in the list.
After all items have been successfully reset, the standby screen is displayed.

9.9 Detector bypass

To disable a detector that has triggered an alarm: 1. Select the alarm message you require.
2. Select **Annular**.

Aviso!
The system does not transmit any information about whether the item could be undone by the HE. For control operation, check the item.

10 Error message

This chapter contains information on the following points:

– *Fault indication call, Page 48*
– *Fault message on the central unit, Page 48*
– *Resetting the fault message, Page 51*
– *Locking an item, Page 52*

10.1 Fault indication call

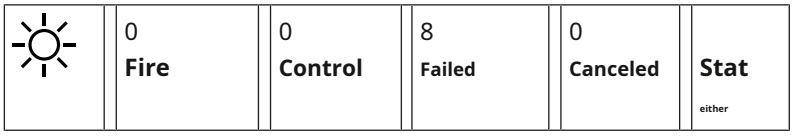
Warning!

If a fire alarm is reported, the system automatically switches to an alarm indication. To return to the fault indication, select **Failed** in the status bar. If a fire alarm occurs, the display automatically switches back to the alarm indication after 30 seconds.

To view fault messages from the alarm indication or any other menu, select the following from the status bar:

– **Failed**: A list of all reported fault types and the number of defective items is displayed.

– **State**: A list of all current messages is displayed, grouped by message type. In each case, the number of items is also provided.
To view fault messages, select the desired message category (in this case, Fault).



Caution!

If a message does not need to be reset, it disappears from the screen as soon as the fault has been rectified.

Warning!

If individual elements that are combined with other elements in a group do not work properly, the corresponding element group is displayed first. To display the individual elements, select the desired element group. See also the option *Displaying individual items in a group of items, Page 50* .

10.2 Fault message at the central

10.2.1 Recognition of a message and

There are two ways to recognize ECr messages:

– Recognize all the messages ahis displayed: Select **Recognize**.

– Recognize an individual message ividual: Select the message first, then press **Recognize**.

Groups of elements

All items with address List fields cilogical operation are displayed in a list.

with address do Yellow indicates unacknowledged error messages.

Unrecognized list fields indicate recognized error messages.

Warning!
A maximum of four fault messages can be displayed on the screen at any one time. Only fields that can be operated are shown (e.g.**Recognize**and **Reset**).

To view more fault messages, scroll down the list. The following four fault messages are displayed.

10.2.2 Fault message sequence

Messages appear in chronological order.

Warning!
15–30 seconds after the last entry (e.g. after scrolling through the list), the first and oldest fault message appears at the top of the list.

10.2.3 Information about malfunctioning groups of elements

The problem message contains information about:
– Category of elements
– Type of message
– Address of the group of elements
– Number of individual elements that have caused a failure in the corresponding group of elements

– Message number
– Additional information (e.g. location)

Example:

Failed		Area	00005	
No. 001	Office 1			(6)

Category of items:	Different detectors in a logical zone
Message type:	Failed
Addressing groups of elements	00005: The fifth logical zone caused the first failure.
Number of elements individual	(6): In the fifth logical zone (00005), six detectors (6) have caused a fault: For element groups consisting of only one element, the number of elements is not displayed.
Message number	Error messages are numbered chronologically. The message number on the second line indicates the sequence in which the fault messages have been received. 001: The first and oldest fault message that has been received.
Logical zone installation location	Office 1

Warning!
Depending on the system configuration, the logical or physical address of the element is displayed.

10.2.4 The newest message

The newest message is displayed at the bottom of the list.

Warning!
15–30 seconds after the last entry (e.g. after scrolling through the list), the first and oldest fault message appears at the top of the list.

10.2.5 Displaying individual items in a group of items

To display individual items in an item group, select the item group you want.

The error messages for individual elements are listed:

10.2.6 Information about individual elements

The problem message contains information about:
– Item Category
– Type of message
– Element address
– Message number
– Additional information (e.g. location) **Example:**

Fault		Transmitter	00026-	004
No. 002	Café			

Item Category: Transmitter

Message type: Fault

Element Address: The following transmitter has caused a failure:
00026 - 004: The fourth transmitter (004) in the 26th group (00026).

Message number: Error messages are numbered chronologically.
The message number on the second line indicates the sequence in which the fault messages have been received.
002: The second fault message that has been received.

Installation location of the element: Cafeteria

Warning!
Depending on the configuration of the system, the logical or physical address of the element

10.2.7 Visual Information technology additional

For view more information than On individual items, select the message failure that you want.

Warning!
The information displayed is entered into the FSP-5000-RPS programming software.

The following information will appear:
– Item Category
– Message Type
– Date and time of the message
– Physical and logical addressing of the element
– For LSN detectors only: specification of detector type
– Action text (depending on configuration)
Select **Accept** to return to the list of all error messages. **Reset**, see *Resetting the fault message, Page 51*.
Block, see *Locking an item, Page 52*. Select **Details** (if available) to go directly to the **Diagnosis** corresponding window for the solution to the problem, please refer to *Diagnosis, Page 59*.

10.2.8 Signs

Optical signals

The "breakdown" icon lights up yellow.
Depending on the type of fault, an additional yellow warning light illuminates (see also *Status LED, Page 15*):
– Fault system (LED on)
– Fault power supply (LED steady) Fault
– detector (LED flashing)
– Fault transmission device (LED flashing)
– Fault signals (LED flashing)
– Output to fire protection equipment (LED flashing)

Acoustic signal
A signal tone sounds on the system.
To temporarily silence the internal buzzer:
Press .

10.3 Reset the fault message

Caution!
If a message does not need to be reset, it disappears from the display as soon as the fault has been rectified.

Of depending on the configuration tion, three reset variants are offered; see *to Re setting a message* There are *the ma, Page 46*.
Ex two ways to rest to ler a fault message:
– Select **Reset** in the Select p message screen or
– the message d and failed and press **Reset** in the detailed view

The selected item/group of items is reset.
If a list field is marked with an "R", the reset process has not yet been completed for this item.

TEXT	R

If an item cannot be restored, it will still appear in the list.
After all items have been successfully reset, the standby screen is displayed.

10.4 Locking an item

To block an item that has caused a fault: 1. Select the fault message you require.
2. Select**Block**.



Caution!
The system does not transmit any information about whether the selected item was successfully locked. To check the operation, check the item.

11 Annulment

This chapter contains information on the following points:

– *Cancellation and de-annulment of elements, Page 53*
– *Viewing and un-un-un-un-un-un-un-groups, Page 53*
– *Viewing the list of all overridden items, Page 54*
– *Buzzer muting/unmuting, Page 54*
– *Cancelling/uncancelling output to a fault message routing device, Page 55*

Warning!
All alarm and fault messages from omitted detectors are no longer displayed.

11.1 Menu Summary

Annular Block	->	**Annular**	->	**Show teams cancelled**	**Select by number**		**Buzzer**	**Printer**
		Block		**Signaler**	**Transmitter**		**HVAC**	**Retainer**
				Detector/Push Button	**Logical zone**		**System of extinction**	**Indicator**
				Cancel group	**Further...**	->	**Element of control**	**Module**

11.2 Cancellation and uncancellation of elements

Select the item you need from the submenu.

Warning!
Partially overridden items, such as loops or override groups, can be viewed and completely overridden; see *Viewing and un-un-un-un-un-un-un-groups, Page 53*.

Warning!
The menu structure may be different depending on the configuration in FSP-5000-RPS.

Warning!
Depending on the signaling ration and the structure of the plant, it is possible that the equipment configuration, the list field ancan be used individually, but all at once. In this case, it is offered **rAll** may not be possible.**Signpost**, instead of a selection list.

11.3 Vvisualization and of stoullification of null element groups

1. There are two ways to uato use all ties, logical zones, etc., partially or completely cancelled. see totally:
   – Select**Cancel** **d**in the status bar of various
   A li is shown sta states. Or **to go crazy**in the
   – Select**Cancel** **r B**start menu.
2. Select**Canceled**either **To**ullify and then,**Show cancelled teams**.

A list of various item categories is displayed. The number listed shows the number of overridden items or groups of overridden items in the corresponding item category:

3. Select the desired list field, e.g. Logical Zone.
4. Select:
   - **Partial cancellation**to display all partially bypassed logical zones
   - **Complete cancellation**to display all completely bypassed logical zones Depending on the option you select, all partially or completely bypassed logical zones will be displayed. The number in brackets, e.g. (5), specifies the number of bypassed elements.

   To remove the override from all items in one or more logical zones, choose the desired zone and select**Un-cancel**.

11.4 Displaying the list of all cancelled items

11.4.1 Using the menu

To view a list of all bypassed items, select the following from the start menu:

1. **Cancel Block**
2. **Annular**
3. **Show cancelled teams**
   A list of various item categories is displayed. The number listed shows the number of overridden items or groups of overridden items in the corresponding item category:

4. Select the category of items you want, for example,**Detector/Push Button**. A list of all bypassed detectors is displayed. To unbypass bypassed items:

1. Select the item you need.
2. Select**Un-cancel**. The uncanceling element.

11.4.2 Using the status bar

To display a list of all overridden items: 1. Select**Canceled**in the status bar. A list of various statuses is displayed.

2. Select**Canceled**.
   A list of various item categories is displayed. The number listed shows the number of overridden items or groups of overridden items in the corresponding item category:

3. Select the desired list field, e.g. Detector. To display a list of all bypassed items: To unbypass bypassed items:

1. Select the items you want.
2. Select**Un-cancel**.

11.5 Buzzer mute/unmute

In order to prevent an acoustic warning tone from being sent to the control panel during maintenance work, for example, the internal buzzer of the control panel can be permanently disabled.
To disable the internal buzzer, select the following from the start menu: 1. **Cancel Block**

2. **Annular**
3. **Further...**
4. **Buzzer**
   The buzzer is ignored and the UI text changes to**Unmute buzzer**. To remove the buzzer override, select**Unmute buzzer**in step 4.



Caution!
If you permanently deactivate the buzzer, no acoustic signal will sound on the control panel in the event of an alarm or fault.

11.6 Cancelling/uncancelling output to a fault notification routing device

In the FSP-5000-RPS configuration, the ENO 0000 A Fire Services Interface Module fault relay is configured as an output for fault alarm routing equipment according to EN54-2.

Note: To view and disable/un-disable the output of a fault routing device, you must know the address (**Cluster**and**Subdirectorate**) and the label, which have been assigned to the fault relay in the FSP-5000-RPS configuration.

11.6.1 Cancelling/uncancelling output to a fault notification routing device

To override output to the fault notification routing equipment, select the following from the Start menu:

1. **Cancel Block**.
2. **Annular**.
3. **Select by number**.
4. Enter the address (**Cluster**and**Subdirectorate**) assigned to the fault relay in the FSP-5000-RPS configuration and press the Enter key. .
   A list of various statuses is displayed.
5. Select the output in the fault notification routing equipment from the list and press **Annular**.

   If necessary, enter your user ID and password to log in to the central controller.

   The result of the fault notification routing equipment is omitted.

11.6.2 Unbypassing output to a fault notification routing device

There are two ways to disable output to a fault notification routing device:
– Unbypassing using the start menu
– Unbypass via the status bar

Unbypassing using the start menu

To disable output to the fault notification routing equipment, select the following from the Start menu:

1. **Cancel Block**.
2. **Annular**.
3. **Show cancelled teams**.
   A list of various categories of items is displayed.

4. Select the output in the fault notification routing equipment from the list and press **Uncancel**.
   If necessary, enter your user ID and password to log in to the central controller.

   Output to a fault notification routing device is disabled.

Unbypass via the status bar

To override the output to the fault notification routing equipment via the status bar, select the following:

1. **Annular**.
   A list of various states is displayed.
2. **Show cancelled teams**.
   A list of various categories of items is displayed.
3. Select the output in the fault notification routing equipment from the list and press **Uncancel**.
   If necessary, enter your user ID and password to log in to the central controller.

   Output to a fault notification routing device is disabled.

12 Block

This chapter contains information on the following points:

– *Locking and unlocking items, Page 57*
– *Viewing the list of all blocked items, Page 57*

Caution!
All alarm and fault messages from blocked detectors are no longer displayed.

12.1 Menu Summary

Annular **Block**	->	**Annular**		**Show teams blocked**	**Select by number**		**Block group**	**Printer**
		Block	->	**Siren**	**Flash**		**HVAC**	**Retainer**
				Transmitter	**Detector/ Button**		**System of extinction**	**Indicator**
				Logical zone	**Further...**	->	**Element of control**	**Module**

12.2 Locking and unlocking items

Select the item you want from the submenu.

Example:
To lock a detector, select the following from the start menu: 1.

Cancel Block

2. **Block**
3. **Detector/Push Button**
   Several selection criteria are displayed. See also the option *Working with lists, Page 25*.

4. Select a selection criterion, for example, **By description**.
   A list of detectors is displayed. See the *Scrolling through lists, Page 26* for information on how to scroll forward and backward in the list.

5. Select the required fields from the list. The list fields
   are marked.
6. Select **Block**.
   The selected items are locked.
   To unlock the items again, repeat all the steps above, but select **Un- lock.** in step 6.

C

A C after a detector means that this detector is part of a closed group and cannot be locked individually. To lock a detector marked this way, select **Logical zone** in step 3.

12.3 Viewing the list of all blocked items

12.3.1 Using the menu

To view a list of all blocked items, select the following from the start menu:

1. **Cancel Block**
2. **Block**
3. **Show blocked devices**
   A list of various item categories is displayed. The number listed indicates the number of items or groups of items locked in the corresponding item category.

4. Select the category of item you need, for example,**Detector/Push Button**. A list of all locked detectors is displayed. To unlock items:

1. Select the item you need.
2. Select**Un- lock.**. The item is
unlocked.

12.3.2 Using the status bar

To display a list of all blocked items: 1. Select**Canceled**from the
status bar. A list of various statuses is displayed.

2. Select**Blocked**.
   A list of various item categories is displayed. The number listed indicates the number of items or groups of items locked in the corresponding item category.

3. Select the desired list field, for example,**Detector/Push Button**. A list of all locked items is displayed. To unlock items:

1. Select the item you need.
2. Select**Un- lock.**. The item is
unlocked.

13 Diagnosis

This chapter contains information on the following points:

- *Item Details, Page 59*: Diagnostic information about LSN modules and about the elements of a selected LSN module
- *Modules, Page 60*: Diagnostic information (software version) and hardware diagnostic data about the modules
- *Hardware, Page 60*: information about released addresses, statistical data on transmission and execution of screen tests
- *Central Passport, Page 61*: Diagnostic information about the central controller
- *LED Module Testing, Page 61*: Testing LED module displays
- *Network Services, Page 62*: information about the availability of the other nodes within the system network
- *Voice alarm systems, Page 65*: Diagnostic information about a connected voice alarm system (VAS)

13.1 Menu Summary

Diagnosis	->	**Item details**	**Modules**
		Hardware	**Data from the power plant**
		LED Module Testing	**Historical**
		Network services	**Voice alarm system**

13.2 Item details

To display diagnostic information about items in a particular module: 1. From the start menu, select **Diagnosis**

2. **Item details**
   A list of LSN modules appears.

Warning!
The numbers before the module names indicate the module connection slot.
in the central

1. Select the desired distance field.
   On the screen, several selection possibilities are offered:
2. Select:
   - **All the information on of an element** to display all the information about an diagnosis about element in a loop of an LSN module.
   - **Information of the group type of elements** to display diagnostic information for various specific about elements of the selected LSN module.
   - **Information about all the elements** to display diagnostic information for all LSN specific about elements of the selected LSN module.

   The following procedure for the three selection possibilities will be presented by example. The other two possibilities are very similar to this example.

Example:

1. Select **Information** A list of **from the group of elements**.
   the following appears elements of the selected LSN module.

2. Select the desired list fields. The list fields are marked.
3. Select**Yeah**.
   A list of various data types is displayed.
4. Select the desired field. The field is marked.
   Data for each selected item is requested.
5. Select**Start**.
   To cancel the operation, select**Cancel**. A status bar appears.
6. Select the arrow keys to view more information.
7. Select**Refresh**to update the data if necessary.

13.3 Modules

To display diagnostic information about a particular module: 1. From the start menu, select**Diagnosis**

2. **Modules**
   Two different lists are offered.
3. Select a list, for example,**By number**. See the Navigating Lists chapter for information on how to navigate a list.
   A list of all used modules appears.
4. Select the desired list field.
   A list appears with several information options:
   - **Module data**
   - **Module Compatibility**
   - **Module status**

   For an LSN module, the following selection fields are also offered:
   - **Counters and module status**
   - **Reset counters**
5. Select the information option you want, for example,**Module status**. Diagnostic information about the status of the module appears.
   A status bar appears.
6. Select the arrow keys to view more information.
7. Select**Refresh**to update the data if necessary.

13.4 Hardware

13.4.1 Screen

Four different functions are offered:

- **LED Test**: LED display test.
- **Screen test**: Test the operation of the screen.

LED Test

To test the LEDs on the LED display: 1. From the boot menu, select**Diagnosis**

2. **Hardware**
3. **Screen**
4. Select**LED Test**.
   All LEDs on the LED display light up for approximately five seconds.

Screen test

To test the display's operability: 1. From the start menu, select**Diagnosis**

2. **Hardware**

3. Select**Screen test**.

First, the buzzer will turn on for a short time. Then the screen will fill with black, white, red, green and blue colors. Then, line by line, the screen will turn these colors from top to bottom and then switch back to the menu.**Hardware**.

13.4.2 CAN Bus

Select**CAN bus**to display the status of the CAN interfaces.

13.5 Passport of the power plant

Select**Data from the power plant**to view the following diagnostic information:

- **Central Controller License Model (Premium or Standard)**
- **CAN ID**
- **Date of manufacture**
- **BOM Review**
- **PCBA material number**
- **Material number**
- **Soft version.**
- **Type of construction**
- **Construction number**
- **Serial number**
- **MAC address**

13.6 LED Module Testing

To test the LED display of selected modules: 1. From the boot menu, select**Diagnosis**

2. **LED Module Testing**

A list of various selection criteria is provided:

– Select**LED test of all modules**to test everyone's LED display the modules.

– Select**By number**either**By type**to test the LED display of selected individual modules.

Example

To test the LED displays of an LSN 300 module: 1. Select**By type**.

A list of all module types appears.

2. Select the LSN 300 module.

A list of all LSN 300 modules appears.

3. Select the list fields you need. The list fields are marked.

4. Select**Activate LEDs**.

The LEDs are activated for approximately five seconds.

Aviso!

It s numbers before the Module names indicate the module connection slot in central

13.7 Network services

13.7.1 Routing table

To display route information:

1. From the start menu, select**Diagnosis**
2. **Network services**
3. **Route table**
   A table will be displayed with the route information.

All network nodes that are reachable through the currently running node, and that are recognized in the system network, are displayed in**Node**. The names CAN1 through USB1 indicate the interfaces on the currently operating central node. In this example, these are the interfaces on node 1.

The type of interface on the central node that is currently running is listed in**Interface**.

The following interfaces can be determined:

– CAN 1 interface
– CAN 2 interface
– Ethernet 1 (IP multicast or UDP tunnel)
– Ethernet 2 (IP multicast or UDP tunnel)
– Ethernet 3 (IP multicast or UDP tunnel)
– Ethernet 4 (IP multicast or UDP tunnel)
– USB interface 1

The number of nodes that must be traversed to access the listed node is specified in **Distance**For nodes that are directly accessed via IP multicast, the value is 1; for nodes that are connected via other interfaces (e.g. CAN) to nodes that are accessed via IP multicast, the value increases accordingly in increments (e.g. connected via IP multicast + CAN1/CAN2, value = 2).

Centrals can be assigned a physical node number from 1 to 64.

13.7.2 Consistency check

Inconsistencies between the network settings configured on the FSP-5000-RPS and those set on the central controller are displayed in**Diagnosis**-**Network services**- **Check. consist.**.

1. From the start menu, select**Diagnosis**
2. **Network services**
3. **Check. consist.**
   Inconsistencies are indicated when they are identifiable between the network settings saved in the panel controller and those configured in the FSP-5000-RPS. You can use the arrow key on the screen to toggle between viewing**Active Configuration Issues:**and**Possible problems after restart:**.

Active Configuration Issues:
The table indicates inconsistencies between the network settings of the active configuration of the central controller ("**asset**") and the settings configured in RPS ("**configured**").

Possible problems after restart:
The table indicates inconsistencies between network settings that have already been configured on the PBX but are not effective until it is rebooted ("**saved**") and the settings configured in RPS (" **configured**").

13.7.3 Ethernet ports

To display a table listing the various parameters and status of the two Ethernet ports: check the consistency of the

1. From the start menu, select**Diagnosis**
2. **Network services**
3. **Eth ports.**
   Information about Ethernet port 1 is displayed.
   You can use the arrow key on the screen to switch to the details of Ethernet port 2, port 3 and port 4.
   To update the information displayed, select**Refresh**. Information on the

following parameters is shown in the table:

- **Port status**
- **Link status**: check the operation of the network cable
- **Speed**: network connection speed
- **# frames Tx**: number of data packets transferred
- **#Rx frames**: number of data packets received
- **Connected to**: indicates an available adjacent node

13.7.4 Send ping command

To check the availability of other nodes on the network, you can send a ping command to a specific IP address:

1. From the start menu, select**Diagnosis**
2. **Network services**
3. **Send Ping Command**
4. Enter the IP address of the network node whose availability you want to evaluate and select **Send Ping Command**.
   To enter an IP address:
   Tap the field containing the IP address. Use the arrow keys on the control panel to select individual numbers and edit them using the numeric keys on the alphanumeric keypad.

   EITHER:

   touch the field**Change**. Touch the field containing the block of numbers you want to change. Use the arrow keys on the control panel to select the desired numbers and modify them with the numeric keys on the alphanumeric keypad.
   If the addressed network node is reachable, a confirmation message will be displayed.

13.7.5 Remote Services

Remote Services offers system integrators a secure remote Internet connection to AVENAR panel 8000/2000. The following functions are available:

– Remote Maintenance
– Remote Connect
– Remote Alert

These services require the Remote Services Secure Network Gateway. For detailed instructions on setting up any of the Remote Services, see the Network Operation Guide.

Remote Maintenance

If the Remote Maintenance feature has been activated via the FSP-5000-RPS remote programming software, data from the relevant LSN devices and AVENAR panel 8000/2000 modules is collected and sent to the Bosch RemotePortal or a central management server system (CMS) via a secure private network, where it can be analyzed to provide preventive services to customers.



Warning!

The Remote Maintenance feature via secure private network is only available in Germany in conjunction with a service agreement with Bosch Energy and Building Solutions.

Remote Access

Thanks to**Remote Access**All service and maintenance functions can be performed remotely using the Remote Programming Software FSP-5000-RPS (e.g. Remote Terminal, panel configuration, troubleshooting).

Remote Alert

By activating the Remote Alert service, an AVENAR panel 8000/2000 system sends relevant status and event information (such as alarms or fault messages) to the Bosch Remote Portal. If an unexpected event occurs, an alert can be sent to a technician, for example, as an SMS or email (if configured in Remote Portal) so that appropriate action can be taken immediately.

In addition to sending notifications, all events exported by the AVENAR panel 8000/2000 network are stored in the Bosch Remote Portal. This accumulated information can be processed and analyzed in order to detect possible faults in the AVENAR panel 8000/2000 network in advance.

In the Remote Services window, you will find information about the features and status of Remote Services.

– From the start menu, select**Diagnosis**
- **Network services**
- **Remote Services**

A list with information about the configured feature is displayed, where RM is short for Remote Maintenance and RA is short for Remote Alert. Note that you need to scroll down the list to see all the information:

- **System name:**The name given to the system in the configuration on the FSP-5000-RPS. If no name has been configured, the serial number of the panel is used as the system name.
- **Remote ID:**identification number of a specific service contractor. The Remote ID is generated and delivered from the RemotePortal. To re-enter or change the Remote ID, see Remote Services.
- **System ID:**identifies an AVENAR panel 8000/2000 system that represents a FSP-5000-RPS configuration. It is assigned to the panel by the RemotePortal server.
- **Est. Rem. Serv.**: Shows whether a remote connection to the RemotePortal server is configured. (**Activated**/**Disabled**).
- **Connection status**: only available on the central configured as a gateway. Shows whether the connection to the RemotePortal server is active (**Accept**/**Waiting for response**/**Connection error**).
- **Rem. Maint. Status**/**Remote Alert Status**: Displays whether the corresponding feature is enabled in the FSP-5000-RPS programming software.

– **RM/RA: Last transfer status:**Status of the last data transfer from the LSN devices connected to the fire panel to the RemotePortal server (**OK**/**Wrong/Auth. wrong**)

– **RM/RA: Last transf. date:**Date and time of the last data transfer from the LSN devices connected to the fire panel to the RemotePortal.

For private secure network:

– **Server IP address:**IP address of the server that receives and collects the data.

– **Server port:**port number of the server that receives and collects the data. If a Remote ID has been configured on the PBX, it automatically attempts to connect to the RemotePortal. To make a manual connection attempt, select**Connect to server**.

13.8 Voice alarm systems

It is possible to connect two different types of voice alarm systems to AVENAR panel 8000/2000:
– Voice alarm system via serial interface module (Plena)
– Voice alarm system (VAS) via IP (PRAESENSA, PAVIRO, Praesideo) The diagnostic information displayed depends on the voice alarm system configured for AVENAR panel 8000/2000.

To display a list of all connected voice alarm systems used for voice evacuation:

1. From the start menu, select**Diagnosis**
2. **Voice alarm system**
   A list of all available voice alarm systems appears.

To view information about one of the voice alarm systems**Full**Available: Tap one of the displayed systems to select it. The following information will appear:
– Breakdown (yes/no)
– Emergency (yes/no)
– Failure (yes/no)
– Internal control (yes/no)
– Supervision time (sec.)
– Boot phase completed (yes/no)
– Controller failure (yes/no)
– Router failure (yes/no)
To display information on an available VAS over IP:
Tap the displayed voice alarm system to select it. The following information will appear:

– **Connection status**: Shows if there is an IP connection to the VAS over IP.
– **VAS over IPt status**: In case of failure, consult the VAS over IP.
– **Trigger Configuration**:
  Didn't match.: a**VAS Virtual Activator**programmed in the AVENAR panel 8000/2000 configuration cannot match an equivalent trigger on the VAS over IP side. Check the assignment of the virtual VAS triggers/virtual control inputs configured in the FSP-5000-RPS programming software and the VAS over IP configuration.

– **Compatibility**: shows whether the version of the connected VAS over IP is made to connect with AVENAR panel 8000/2000. If a warning appears, check the version of the VAS over IP system.

- **Connection failure counter**: shows the number of connection errors with the VAS over IP system until the last restart of the control panel.
- **VAS over IP address**: VAS over IP address.
- **VAS over IP port**: VAS over IP port number. The default is 9401.

To check the availability of VAS over IP on the network, select**Send Ping Command** to send a ping request to the VAS over IP IP address.

14 Maintenance

This chapter contains information on the following points:
– Test: see the*Maintenance – Testing, Page 69*
– *Change language, Page 67*
– *Activating outputs, Page 67*
– *Activating Transmission Equipment, Page 68*
– Elimination of detectors
– Historical: see the*Maintenance - History, Page 73*
– *Buzzer muting/unmuting, Page 68*

14.1 Menu Summary

Maintenance	->	**Proof**	**Change language**
		Activate outputs	**Activate transmitter**
		Historical	**Buzzer**

14.2 Change language

Warning!
The quickest way to change the language display is via a shortcut, see also the*Changing the display language, Page 29*.

There are two ways to select the screen with a different language:
– Using the menu
– Enter a shortcut; see the*Changing the display language, Page 29*.

Warning!
When the system is powered up after a power failure or battery failure, the default language defined in the FSP-5000-RPS programming software is set again.

Making the selection through the menu
1. From the start menu, select**Maintenance**
2. **Change language**
   A list of languages that can be selected appears.
3. Select the language you need.
   The screens will appear in the selected language.

14.3 Activation of outputs

1. From the Start menu, select**Maintenance**
2. **Activate outputs**
   Several categories of elements appear.
3. Select a category or**Select by number**and enter the item number in the search screen; see also the *Search function/element, Page 27*
4. Select the desired list fields. The list fields are marked.
5. Select**Activated**to activate the selected notification devices. The selected signaling devices are activated.
6. Select**All**to activate all alarm devices.
7. To finish activating the selected items, repeat the same steps, but select**Disable**in step 5.

Warning!

In the category of elements**HVAC**, the function field is also offered**Car**. Select this function field to assign automatic mode to a fan, for example.

14.4 Activation of transmission equipment

To activate a streaming device: 1. From the start menu, select**Maintenance**

2. **Activate transmitter**
   A list of items is displayed. See the*Working with lists, Page 25*for information on how to navigate a list.
3. Select the required fields from the list. The list fields are marked.
4. Select**Activated**.
   The selected streaming devices are activated. To finish activating the selected items: 1. From the start menu, select **Maintenance**
2. **Activate transmitter**
3. Select the list fields of the activated transmission equipment.
4. Select**Disable**.
   The transmitters are no longer activated.

14.5 Buzzer mute/unmute

To prevent an acoustic warning tone from being sent to the control panel during maintenance work, for example, the control panel's internal buzzer can be permanently disabled.

To disable the internal buzzer, select the following from the start menu: 1. **Maintenance**

2. **Buzzer**
   The buzzer is muted and the UI text changes to**Unmute buzzer**. To remove the buzzer override, select**Unmute buzzer**in step 2.

Warning!

If you deactivate the buzzer permanently, no acoustic signal will sound in the central in case of alarm or failure.

15 Maintenance – Test

This chapter contains information on the following points:

– *Test Groups, Page 69*
– *Starting and ending the test, Page 71*
– *Completing the test for all elements, Page 72*
– *Displaying Tested and Untested Items, Page 72*
– *Assigning Tested Items to a Test Group, Page 72* A test is indicated by a yellow LED display on the control panel.

Caution!
Alarm or fault messages from detectors included in the test are not forwarded to transmission devices or extinguishing systems.

Warning!
If a signaling device is activated during a test, it emits a different signal tone than the one it emits in the alarm state.

15.1 Test groups

The following options are available for including items in the test:
– Select individual items from lists and/or
– Select previously defined test groups that consist of at least one element.

There are 12 predefined test groups. The number of possible test groups is predefined: from January to December.

Example:
Detectors to be tested in May can be grouped into a group called May. New items can be added to a group, and previously added items can be removed.

Warning!
Even if the items in a group have been completely deleted (e.g. January), this group will still appear in the list.

15.1.1 Adding or deleting the elements.

In order to add items to a test group or remove elements from it: select the **Maintenance** start menu, s

2. **Proof**
3. **Create/Change Group** A list of the following appears and test s test groups.
4. Select a group d You can test, e.g. February. choose from various options:
   - **Delete all**: delete all items in the selected group.
   - **Show / Change**: Deletes all items in the selected test group and individuals. delete elements i
   - **Add**: sample t test od the elements that have not yet been assigned to an add group and to individual elements.
   - **Cancel**: cancel the operation.

Warning!

Deleted items are assigned to the group**Unassigned items**.

Tilting function

New items can be added and existing items can be deleted in each submenu.

Add

When one of the function fields is selected, the display changes and a new function can be performed.

+
New

Select this function field to add one or more new items.
Only those items that have not been assigned to a test group yet will appear.

Several categories of items appear. 1. Select
the category you want.

A list of items is displayed. See also the option*Working with lists, Page 25*.

2. Select an item. The item is
marked.
3. Select**Add**.

The selected item is added to the group.

Elimination

-
Ancient

Select this function field to delete one or more items. Only items from the
selected test group are displayed.
1. Select an item. The item is
marked.
2. Select**Delete**.

The selected item is deleted from the group.

Example:

1. Select**Show/Change**.

To delete one or more items from the selected group:

2. Select one or more list fields.

List fields are marked. See the*Scrolling through lists, Page 26*for information on how to navigate a list.

3. Select**Delete**.

The selected group item is deleted. The list field is no longer displayed. To add new items:

1. Select**New**.

The screen changes. Several item categories are displayed with items that have not yet been assigned to a test group.

2. Select the category of items you want.
3. Select one or more list fields. The list fields

are marked.

4. Select**Add**.
   The selected item is added to the selected test group.

Change name

To change the name of the input or output group:

1. Overwrite the name; see the*Entering numbers and text, Page 28*.
2. Select**Accept**.
   The new name is confirmed.

15.2 Start and end of the test



Warning!

Information about the date and time of all tests is stored in the history. You can print this information on a printer. See the*Maintenance - History, Page 73*.

15.2.1 Start of the test

To select items for testing and include them in the test: 1. From the start menu, select**Maintenance**

2. **Proof**
3. **Start/End Test** Several categories of elements appear.

4. Select:
   - **Further...**to see more categories or
   - one of the categories shown or
   - **Select by number**and enter the item number in the search screen; see also the *Search function/element, Page 27*.



Warning!

If you select the item category**Ribbon**,**Logical zone**,**Detector/Push Button**either**Test group**, you will be asked to select the test type. Select**Sequential test**to check each individual sensor (optical, chemical or thermal) of the detectors you are testing or select**Simultaneous test**for testing a combination of detectors using a test set with combined activating substances for simultaneous testing of several sensors.

Example:

1. Select**Test group**.
2. Select**Sequential test**either**Simultaneous test**
   A list of test groups appears. See the*Scrolling through lists, Page 26*for information on how to navigate a list.
3. Select the list fields you need. The field is marked.

4. Select**Activated**.
   The selected test group has been switched to test.

15.2.2 End of test

To end the test for this test group: 1. Check the selected test group.

2. Select**Disable**.

15.3 Completion of testing for all elements

To end the test for all groups and test items: 1. Select**Finish**in the status bar. Several possibilities are offered on the screen:

2. Select**Yeah**to end the test for all groups and test items. Select**No**to cancel the operation and return to the previous screen. The test is finished for all test groups.

15.4 Displaying tested and untested items



Warning!
You can choose to display untested or tested items in the current test.

Select**Go out**in the status bar.
The following options are offered for the test currently being conducted:

– Select**Untested**to display items that did not show any reaction during testing or have not been tested.
– Select**Tried**to visualize the items that were tested and showed a reaction.

15.5 Assigning tested items to a test group



Warning!
Only those items in the current test that have been tested can be assigned to a different test group.

To finish the test, assign the tested items to a different test group (for the next test, for example):

1. Select**Go out**in the status bar. Several possibilities are offered on the screen:
   Select**Assign tested items to test group**to assign the elements tested from the current test to a test group for the next test:
   A list of test groups appears.
2. Select a test group from the list. See the*Scrolling through lists, Page 26*for information on how to navigate a list. Two possibilities are offered on the screen:

   – Select**Add to test group**to assign the tested items of the current test to a selected test group.
   – Select**Overwrite test group**to replace the items in the selected test set with the items in the current test.

16 Maintenance - historical

In the history, all data on specific events or equipment types is stored by date and time. Filters can be set to display specific data.
In addition to a menu overview, this chapter contains information on the following points:

– *Filter Selection, Page 73*
– *Filter Settings, Page 73*
– *Changing the filter, Page 74*
– *Combining multiple filters, Page 74*
– *Status Bar Functions, Page 74*
– *Printing data, page 74*

16.1 Filter selection

The following filters are available:

Filter	Data, filtered by...
No filter	All data
Show all Clear filter	Displays all data with specified event number, date, time, item number and message type. Existing filters are cleared.
Period	Start date, end date and time
Type of event	Type of messages, such as Failure
Device	Type of equipment, such as detectors
Address range	Range of addresses within a system
User Commands	Selected function fields, such as**Recognize**either**Reset**.
Proof	Items included in test mode

If one or more filters have been set, the field**Change filter**from the status bar is highlighted with a dark color.

16.2 Filter settings

To display only specific data, a filter can be set. **Example:**

To display only stored data that is related to a specific event, such as a crash:

1. From the start menu, select**Maintenance**
2. **Historical**
3. Select the**Type of event**filter.
   A list of all event types is displayed.
4. Select a list field, for example,**Failed**.
   In the status bar, the**Change filter**The field has a black background. See also the option *Changing the filter, Page 74*.
5. Select**Show in history**.
   A list of all fault messages appears. Events are sorted in ascending order by date and time.

   Fault messages are numbered chronologically. The first number indicates the sequence in which the fault messages were received.

16.3 Filter change

In each filter menu, another filter can be set using the status bar: 1. Select**Change filter**in the selection bar below. The different filters are displayed.

2. Select one of the filters displayed. A list with the filtered data is displayed.

16.4 Combination of multiple filters

It is possible to set multiple filters and display all filtered data in one list: To combine the filter**Device**with the filter**Types of messages**: 1. Select**Maintenance**in the start menu.

2. **Historical**
3. Select a filter, for example,**Device**.
4. Select**Change filter**in the selection list.
5. Select the desired equipment types from the displayed list.
6. Repeat steps 4 through 5 until all desired filters have been selected. To display all filtered data from combined filters:
7. Select**Show filter result**.

16.5 Status Bar Functions

The following functions are offered:



To switch to the status bar on the home page, press the double arrow key on the status bar or membrane keypad.

Change filter — If the field has a black background, a filter has been set. Select this field to set a different filter.

Go to number — Enter the number of a specific event. The event with the selected number appears at the top of the list.

Go to the day — Please enter a date. All events with the selected date appear in the list.

Print — Print the entire displayed list or just a portion of it.

Go out — End entry and switch to menu overview**Maintenance**.

16.6 Printing data

You can print either the entire list or a specific part of it. To print data displayed in a list:

1. Select**Print**in the status bar. There are two options:
   - **The whole list**: The entire list is selected. To print the list, continue with step 6.
   - **Define interval**: specifies a specific area within the list. Two possibilities are available to specify the area of the list to be printed:

   – Limit the number of events, counting from the most recent event.
   – Specify a specific area by entering event numbers.

2. Select**Define interval**.
   Two possibilities are offered on the screen.
3. Check the check box in front of one of the two options:
   – **Number of events to print from the last event**:
     For printing, enter a specific number of events, counting from the most recent event.

   – **Number of events to print**:
     To print a specific extension, specify it by entering event numbers.

   A check mark is placed in the selection field.
4. Enter the numbers you want.
5. Select**Accept**to confirm the entry.
   A list of printers that you can select appears.
6. Select a printer.
7. Select**Print**. The list is
printed.

Event numbers

To display event numbers again: 1. Select**Show number of events**.

2. To exit the screen, press ← .

17 Day and night modes

This chapter contains information on the following:
– Switching between Day/Night mode
– Time change to switch to night mode
The way an incoming alarm is handled depends on whether the system is in day mode or night mode; see *Fire Alarm, Page 43*.

Caution!
Night mode has the highest level of security since all incoming alarms are forwarded to external stations.

Warning!
Depending on the security level in question, not all detectors can be set to day mode.

The following status bar symbols indicate which mode the panel is in. For networked panels, a night/day icon appears on panels that are in night mode when at least one of the panels in the network is in day mode.

		Independent	Grid
	Night mode	The panel is in night mode.	All networked panels in the network area are in night mode
	Day mode	The power station is in day mode	-
	Combination of night/day	-	The panel is in night mode, but at least one of the other panels in the network scope is in day mode

Warning!
Please note that after a transmission failure, it may be necessary to manually synchronize the day/night mode of the other panels so that the current mode is displayed correctly.

17.1 Switching between day mode and night mode

Warning!
Depending on the programming ión, the central unit automatically switches from day mode to mode night at the preset time.

There is n two ways to cam biar between day mode and night mode:
– C onmutation through the menú
– C switching by means of bstate deposit

Switching via the menu

Depending on the mode the control unit has been switched to, it is displayed**Switch to Day Mode** either**Switch to Night Mode**in the start menu.

1. The control panel is in night mode: select**Switch to Day Mode**To switch to day mode:

2. Confirm your selection with**Switch to Day Mode**. The
   central is in day mode.
   To cancel the operation, select**Cancel**.

The central unit is in day mode: select**Switch to Night Mode**to switch to night mode.

Switching via the status bar

The control panel is in night mode. To switch to day mode: 4
Press



4 Select**Switch to Day Mode**to confirm the request or**Cancel**to cancel the operation.

The control panel is in day mode. To switch to night mode: 4
Press



4 Select**Switch to Night Mode**to confirm the selection or**Cancel**to cancel the operation.

17.2 Viewing details

In both day mode and night mode, it is possible to view a list of all logical zones of the control panel that are currently in day mode.

To display a list of all detector groups in day mode

1. From the start menu, select**Switch to Day Mode**either**Switch to Night Mode**, depending on the
   mode the central is currently in, or select the icon
   day mode or night mode in the status bar.
2. Select**Show details**.
   A list of all logical zones that are in day mode is displayed.

17.3 Time change to switch to night mode



Caution!

When the system is powered on after a power failure or battery failure, the default time switching is restored in the FSP-5000-RPS. F

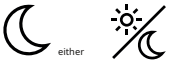


Aviso!

Of depending on the ration, the time change can be changed. It can only be done if it has
ha configuration a change for the to and
a specific day or time for the already been defined in the scheduling software.
I said

The change time can be and change in day mode or night mode. time
Pa changed by switching either in night mode:

4 On the status bar, select



either

From the start menu, select**Switch to Day Mode**. 1. Select

Change time.

2. Enter the numbers you need.

Select**Accept**to confirm the entry or**Cancel**to cancel the operation. The entries are confirmed.

To change the time switching in night mode: 1. In the status

bar, select



2. or

From the start menu, select**Switch to Night Mode**.

3. Select**Change time**.

4. Enter the numbers you need.

Select**Accept**to confirm the entry or**Cancel**to cancel the operation.

18 Configuration

This chapter contains information on the following points:

– *Physical Node Address (PNA/RSN), Page 79*
– *Group Edition, Page 79*
– *Detector Sensitivity, Page 81*
– *User, Page 81*
– *Renaming Items, Page 83*
– *Network Services, Page 83*
– *Summary, Page 84*

18.1 Menu Summary

Configuration	->	**Set node address (RSN)**	**Set up groups**
		Detector Sensitivity	**User**
		Rename elements	**Summary**
		Network services	**About...**

18.2 Physical Node Address (PNA/RSN)

The physical node address (RSN) of the panel is set in the panel firmware when the panel is first powered up, there are no mechanical rotary switches. It must be identical to the physical node address set in the programming software. After changing the physical node address (RSN), the panel must be rebooted. To change the physical node address, enter a number between 1 and 64. Choose**Accept and restart**making change effective.

18.3 Group Editing

Different types of groups can be created using the FSP-5000-RPS programming software:

Skip, isolate, and test groups and input/output groups. Each group
can consist of one or more elements.
Input groups consist of multiple detectors and/or logical zones; output groups consist of signaling and transmitting devices. You specify which input group activates which output group using the programming software.
You can use the central controller to do the following:
– Add or remove items from groups.
– Rename groups.

18.3.1 Add or delete

In order to add items to a group or remove items from it: 1. From the
start menu, select**Configuration**
2. **Set up groups**
3. Select the required group type. Two
different lists are displayed.
4. Select a list, for example,**By description**. A list of the
different input groups appears.
5. Select the desired list field. The list field is
marked.

You can select several options:

- **Delete all**: Deletes all items in the selected input group.
- **Show/Change**: Displays all items in the selected input group and deletes individual items.
- **Add**: Displays all items that have not yet been assigned to an input group and adds individual items.
- **Cancel**: cancels the operation.
  To rename the input group, see Renaming.

Test group

To view the items in a test group and delete or add items, see *Test Groups, Page 69*.

Tilting function

New items can be added and existing items can be deleted in each submenu.
When one of the function fields is selected, the display changes and a new function can be performed.

Add

+ New

Select this function field to add one or more new items.
Only those items that have not yet been assigned to an entry group will appear.

Several categories of items appear. 1. Select
the desired category. A list of items is
displayed.
2. Select an item. The item is
marked.
3. Select**Add**.
The selected item is added to the group.

Elimination

- Ancient

Select this function field to delete one or more items. Only items from the
selected input group are displayed. 1. Select an item.

The item is marked.
2. Select**Delete**.
The selected item is deleted from the group.

Example:

1. Select**Show/Change**.
To delete one or more items from the selected group:
2. Select one or more list fields. The list fields are
selected.
3. Select**Delete**.
The selected group item is deleted. The list field is no longer displayed.

To add new items: 1. Select**New**.

The screen changes. Several item categories are displayed with items that have not yet been assigned to a test group.

2. Select the category of items you want.
3. Select one or more list fields. The list fields are marked.
4. Select**Add**.
   The selected item is added to the selected test group.

See
– Scrolling through lists, Page 26

18.3.2 Name change

To change the name of the input or output group: 1.
Overwrite the name
2. Select**Accept**.
   The new name is confirmed.

18.4 Detector Sensitivity



Caution!
Detector sensitivity is automatically reset to the default setting: When the entire panel or individual detector/logic zone is reset When the detector is replaced

Two different sensitivities can be assigned to detectors and logic zones in the FSP-5000-RPS programming software: a default setting and an alternate setting.

It is possible to switch between the default and alternative settings on the central controller.

To change the settings:
1. From the start menu, select**Configuration**
2. **Detector Sensitivity**
   Several lists are offered. Select one of the logical zone or detector lists offered.

   A list of items is displayed. Depending on the list you selected, enter the item number or name in the search screen.
3. Select the list field you need, for example a logical zone in this case. Two settings are displayed: there is a check mark in the selection field in front of the active setting.

4. Select the detector sensitivity selection field you require. A check mark is set in this field.

5. Select**Accept**to confirm the selection or**Cancel**to cancel the operation. The selected detector sensitivity is confirmed for the detector.

18.5 User

Depending on whether the same password is used per access level, or whether each user has a different password, one of the following two options is offered:
If the same password is used per access level:

– **Change universal password**: The same password can be set for all access levels via the FSP-5000-RPS programming software. This means that all users with access authorisation for the second level receive the same password, for example. The password can be changed for access levels two to four.

If each user uses a different password:
– **Change user data**: Change an operator's password.
– **Set default password**: Reset a user's password to the following number sequence: 000000.



Warning!
The password must contain at least three digits.

18.5.1 Change password

1. From the start menu, select**Configuration**
2. **User**
3. **Change user data** A list of all users appears.
4. Select the desired list field.
5. Enter a new password. Re-enter the new password in the field below.

   On the screen, each digit of the password is indicated with an asterisk so that no one else can see the password.
6. Select**Accept**to confirm the entry or**Cancel**to cancel the operation. The entry is confirmed.

18.5.2 Change universal password

1. From the start menu, select**Configuration**
2. **User**
3. **Change universal password**
4. Depending on the access level for which the password is to be changed, select the list field you require.
5. Enter a new password and repeat the entry in the field below.
   On the screen, each digit of the password is indicated with an asterisk so that no one else can see the password.
6. Select**Accept**to confirm the entry or**Cancel**to cancel the operation. The entry is confirmed.

18.5.3 Setting default password

1. From the Start menu, select**Configuration**
2. **User**
3. **Set default password** A list of all users appears.
4. Select the desired list field. The list field is marked.
5. Select**Reset**.
   The operator password is reset to your previous password.

18.6 Rename elements

To rename an item: 1. From the start menu, select
Configuration
2. **Rename elements**
A list of all items will be displayed.
3. Select the desired list field. An empty screen
appears.
4. Enter a new name.
5. Select**Accept**to confirm the entry, or**Cancel** The event with the to cancel the operation.
new name will appear in the list.

18.7 Network services

18.7.1 Ethernet

You can change and activate the network settings (IP settings, Ethernet redundancy) of remote control panels and control panels that are connected via an Ethernet connection in **Configuration**-**Grid**. You can find more information on the page*Networking via Ethernet, Page 32*.

18.7.2 Change date/time

If you are starting the control panel for the first time, enter the current date and time. Setting the correct date is a prerequisite for connecting the control panel to the RemotePortal server.

For more details, see*Changing the date/time, Page 85*.

18.7.3 Remote Services

Remote Services Remote Connect, Remote Alert and Remote Maintenance provide a secure Internet connection from the AVENAR panel 8000/2000 to the RemotePortal. These services require the Remote Services secure network gateway. For detailed instructions on setting up a remote connection to the RemotePortal, refer to the Network Operation Guide.

To set up a connection to the Bosch Remote Portal to activate Remote Services, perform the following steps:
1. Connect the Remote Services Secure Network Gateway to the PBX and the Internet access point.

2. Go to**Configuration**-**Network services**-**Ethernet**-**IP Settings**: Enter the IP address of the central. Check the box**Use Ethernet settings**For more details, see*IP settings, Page 32*.

3. Reset the control panel by removing the power or by using the reset button.
4. Go to**Configuration**-**Network services**-**Change date/time**. Enter the current date. For more details, see*Change date/time, Page 83*.
5. Go to**Configuration**-**Network services**-**Remote Services**-**Remote ID:**Enter the Remote ID (10 digits) using the alphanumeric keys on the keypad. To delete a Remote ID entry, choose**Delete**. Confirm with**Accept**and return to the screen**Network services**. To leave the screen without saving changes, select**Cancel**.
6. The**System ID**has been assigned to the control panel by the Remote Portal. Normally, it is not necessary to change it. If you need to do so, select**Change System ID**. Enter the**System ID** via the alphanumeric keys on the keyboard.

7. Confirm with**Accept**and return to the screen**Remote Services**. To leave the screen without saving changes, select**Cancel**.



Warning!
Change only the**System ID**If you want to reuse an existing one**System ID**.

18.8 Summary

To view important information about the valid system configuration: 1. From the boot menu, select**Configuration**

2. **Summary**
   The following information will appear:
   – Configuration and additional information about the system
   – **Date**
   – Configuration version (**Configuration version**)
   – **Number**
   – **Name**
   – **IP address**
   – **Scope**
   – **Country**
   – **Time zone**
   – **Menu name**

19 Other functions

This chapter contains information on the following points:

– *Changing the date/time, Page 85*
– *Master Password, Page 85*
– *Remote Services, Page 86*
– *Change Password, Page 87*
– *Conducting a fire evacuation, Page 87*
– *Alarm Counters, Page 88*

19.1 Menu Summary

Other functions	->	**Change date/time**	**Master Password**
		Remote Services	**Change password**
		Evacuate	**Alarm counters**

19.2 Change date/time

To change the date and time:

1. From the start menu, select**Other functions**
2. **Change date/time**
3. Tap the desired field and enter a new value.
4. Select**Accept**to confirm the entry or**Cancel**cancel the operation. The new date and time values are accepted into the system.

19.3 Master Password



Warning!

With the master password, all functions can be managed and names can be changed.

One of the following two options is offered:

– Enter a master password that is valid indefinitely. This password cannot be changed and can be requested from the relevant Bosch branch.

– Enter a master password that is valid for a specified period of time.
This password is only valid for 24 hours. The controller can be asked to issue a number. This number must be sent to the support department. The support department can then issue a 24-hour password.

After entering the password, several options are offered.

19.3.1 Enter a master password that is valid indefinitely

1. From the Start menu, select**Other functions**
2. **Master Password**
3. Enter the master password.
4. Select**Accept**to confirm the entry or**Cancel**cancel the operation. The master password is accepted and the operator is logged in.
User passwords can now be changed: select Change Password.
Additional options may be offered.

19.3.2 Entering the 24-hour master password

The following procedure must be followed to obtain a 24-hour master password:

The controller can be asked to issue a number. Please send this number to the sales support department by phone or email. A password will be provided which is only valid for 24 hours.

1. From the start menu, select**Other functions**
2. **Master Password**
3. **Create number**
4. **Request password**
   A number is displayed.
5. Provide the system-issued number to the support department.
6. Once you have received the 24-hour password from the support department, select**Enter password**.
7. Enter the password.
   The 24-hour password is accepted and the user is logged in.

Change password

To change passwords, select**Change password**Additional options may be offered.

19.4 Remote Services

Remote connection

Warning!

If you try to access another menu while the remote connection is still active, the following text is displayed:**Active Teleservice**. To clear text, tap the screen. The text reappears every 30 seconds while the remote connection remains active.

To create a remote connection by phone:

– From the start menu, select**Other functions**
– **Remote Connect**
– **Activate call**
  It is now possible to call the system remotely. Afterwards, the connection is cancelled.
– It is shown**Asset**when there is an established connection.
  To disconnect the connection, select**Stop Remote Connect**.

Remote Maintenance

To stop Remote Maintenance transmission:

– From the start menu, select**Other functions**
– Remote Services
– Select**Block Remote Maintenance**.
  Data transmission to the Remote Portal is stopped until the next restart of the central controller.
– To unblock the service, select**Unlock Remote Maintenance**.

Warning!

Locking or unlocking R mote Maintenance applies to all panels in the network. It is not possible to lock or unlock the service for a single panel.

Rowing I Alert you

For d To stop streaming from and Remote Alert messages:

– E the start menu, select DCon**Other functions**
– R Emote Services
– S choose**Block Alert ta remote**.

Message transmission to the Remote Portal is stopped until the next restart of the central controller.

– To unblock the service, select**Unlock Remote Alert**.

Warning!
Locking or unlocking Remote Alert applies to all panels in the network. It is not possible to lock or unlock the service for a single panel.

19.5 Change password

Warning!
If all users with the same access authorization have the same password, this function cannot be used.

1. From the start menu, select**Other functions**
2. **Change password**
   A list of all users appears.
3. Select the desired list field.
4. Enter the password.
   On the screen, each digit of the password is indicated with an asterisk so that no one else can see the password.
5. Enter a new password and repeat the entry in the field below.
6. Select**Accept**to confirm the entry or**Cancel**to cancel the operation.

19.6 Conducting a fire evacuation

During an evacuation, all signaling equipment is activated.

Caution!
If a real alarm is transmitted during a fire evacuation, the evacuation is abandoned. The evacuation can only be restarted when the alarm ends.

To begin an evacuation:
1. From the start menu, select**Other functions**
2. **Evacuate**
3. Confirm**Begin evacuation**with**Accept** The evacuation begins.

To end the evacuation, select**Stop evacuation**.
During evacuation, fire alarms, fault messages and supervisory alarms appear.

To switch between the fire evacuation screen and the message screen, select**Return to the message screen**either**Return to evacuation screen**in the status bar.

If an alarm or fault/supervision alarm sounded during evacuation, the plant controller reacts as described in the following table:

	Fire Alarm	**Fault/supervision alarm**
Loss evacuation signaling equipment is deactivate.	Yeah	No

	Fire Alarm	Fault/supervision alarm
The evacuation is completed automatically.	Yeah	No
The screen switches to	Alarm indication	Fault indication
Fire evacuation after the event ends	Must restart manually	Continue

A new function cannot be selected until the fault/supervision alarm and/or evacuation has ended.

19.7 Alarm counters

Show global event counters

During the validity of the panel, the following alarm conditions and messages are counted locally for each panel (**Local**) and at the level of all the exchanges in the entire network or in a network group, depending on the configuration (**Scope**):

– External alarm: all fire alarm conditions that have activated an external device

– Internal alarm: all fire alarm conditions that did not activate an external device (for example, if the alarm occurred in day mode)

– Maintenance alarm: all alarm messages from detectors in test mode. To view the number of alarm conditions and messages that have been counted so far:

1. From the start menu, select **Other functions**
2. **Alarm counters**

The number after the message type shows the number of conditions and messages counted so far for the individual exchange (**Local**) and added up for all the exchanges in the entire network or for a network group, depending on the configuration (**Scope**).

Warning!

The scope of the counters depends on the configuration of **Scope** of the node in the FSP-5000-RPS programming software. If **Cluster** is configured, the conditions and alarms of all panels in a given network group are counted, depending on the logical node address. If **Grid** is configured, all conditions and alarms are counted

all the exchanges in the network.

Reset counters

You can reset the counter to 0 To d and alarm for individual alarm types. alarm
reset the counters d 1. In the and
start menu, select DGon **Other functions**

2. **Alarm counters**
3. Mark the desired alarm counter (e.g. external alarm).
4. Select **Reset**
5. Confirm the message "**Ate** 0 **n.don: the counter will be reset**" with **Accept** to restore the election the alarm counter or s **Cancel** to cancel the operation.
6. Restart the control panel to disp lay the reset values.

Warning!

For reset the counters d a alarm, you need authorization level 4.

20 Restore

This chapter contains information on how to reset items.
During reset, the selected items are restored to their initial state.

- **Type of event**: Displays a list of all message types. Message types can be reset throughout the **Scope**.
- **Scope**: depending on the**Scope**set in FSP-5000-RPS, the current PBX, all PBXs in a group, or all PBXs in the entire network will be reset.
- **Logical zone**
- **Detector/Push Button**
- **This power station**: All elements of the control panel that are not in standby mode are reset.

Warning!
If the**Scope**refers to a central, list fields**This power station**and**Scope**They have the same function.

20.1 Menu Summary

Reset	->	Type of event	Scope
		Logical zone	**Detector/Push Button**
			This power station

20.2 Resetting items

To reset a detector or logic zone, for example: 1. From the
home menu, select**Reset**
2. Select the item you need.
3. Select the detector or zone.
4. Select the required fields from the list. The list fields
   are marked.
   A list of detectors or zones is displayed.
5. Select**Reset**.
   The selected items are reset.

Warning!
While items are in the process of being reset, no other entries can be made.

If a list field is not filled in for arwith an R, the reset process has not yet been completed.
this item, in

TAXTDO	R

If you cannot reset After a item, it will still appear in the list. items, the
resetting the To reset a press hestandby screen appears.
the glass window. r alarm, use the reset key or re-set

To reset a ventilator detector. r automatic: if there is still smoke in the detection chamber,

21 Control/Monitor

This chapter contains information on the following topics:

– *Activate retainer, control element or HVAC, Page 90*
– *Go to item, Page 90*
– *Search function, Page 91*

21.1 Menu Summary

Monitoring of control	->	**Activate door stop**	**Activate HVAC**
		Activate element of control	**Search function**
		Go to item	

21.2 Activate retainer, control element or HVAC

You can manually activate the retainers, control elements or climate systems.

1. Press**Control monitoring**
2. Press the required button (**Activate door stop**,**Activate control element**either**Activate HVAC**) to open a list with all available items of the required group.

Warning!
Individual control of each group is only possible for central controllers with a Premium license.

Press the required item to start or stop the activation of this item immediately. Press**Fully armed**to activate all elements or**Totally disabled**to stop the activation of all elements at once. Use  and  to move around the list. Element entries change their background color depending on their current state.
Element background colors have the following meaning:
– Red: elements that are actively controlled in the event of an alarm.
– Fuchsia: elements that are being actively monitored without an actual alarm
– Green: elements that are not active
– Yellow: elements deactivated or in a fault condition; it is not possible to control them.

21.3 Go to item

To search for an item connected to the system:
1. From the start menu, select**Search function/element**
2. **Go to item**
   Two different lists are shown.
3. Select a list, for example,**By description**. A list of detectors is displayed.
4. Select the desired list field.
   Different selection fields can be offered for the selected item (e.g.**Accept**,**Annular**). What is displayed depends on:
   – the types of messages (e.g. fault, alarm, etc.) that can be assigned to this element.

– the mode (e.g., Override, Reset, etc.) the selected item is in.

21.4 Search function

To search:

1. From the start menu, select**Control monitoring**
2. **Search function**
   A list of all functions appears.
3. Select the list field you need.
   The submenu of the selected function is displayed.

22 Boot menu

To access the boot menu of an active control panel: 1. Press the power button briefly to shut down the control panel. Wait until the control panel has completely shut down.

2. Press the power button briefly to start the control panel.

3. Place your finger on some part of the touch screen at the same time and leave it there until the boot menu opens.

Warning!

The functions that can be executed via the boot menu are intended for trained experts only.

The following functions are also found in the boot menu:

– Start: continue the boot process and exit the menu.

– Start with Default Configuration: Press to start the control panel with a coded default configuration.

– Reset to Factory Settings: This feature is not currently implemented.

– Calibrate Touchscreen: To calibrate the touchscreen, press the button and follow the on-screen instructions. If the touchscreen is completely out of calibration and touching the button does not work, press in any position for a minimum of 4 seconds, then release. Releasing also starts the calibration process.

– Update Firmware: Update the firmware of the control panel via a file on an SD card. Copy the SWU file provided via the Extranet to an SD card and insert it into the SD card slot. Then press Update Firmware.

Warning!

Make sure there is only one SWU file available on the card. To make the new firmware effective, press the Toggle Firmware and Reboot button.

– Toggle Firmware and Reboot: Press to use the firmware that has been loaded via SD card. If it is already in use, you can also use this function to revert to the previous version.
previous firmware of the central unit.

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