ESSER
by Honeywell

Fire Alarm Control Panel FlexES Control

GB Operation Instruction

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Intended purpose

This product must only be used for the applications outlined in the catalogue and the technical description and in combination with external components and systems, which have been approved or recommended by Esser by Honeywell.

Warning

In order to ensure correct and safe operation of the product, all guidelines concerning its transport, storage, installation, and mounting must be observed. This includes the necessary care in operating the product.

Safety-relevant user information

This manual includes all information required for the proper use of the products described.

The term 'qualified personnel' in the context of the safety information included in this manual or on the product itself designates:

- project engineers who are familiar with the safety guidelines concerning fire alarm and extinguishing systems.
- trained service engineers who are familiar with the components of fire alarm and extinguishing systems and the information on their operation as included in this manual.
- trained installation or service personnel with the necessary qualification for carrying out repairs on fire alarm and extinguishing systems or who are authorised to operate, ground and label electrical circuits and/or safety equipment/systems.

Safety warnings

The following information is given in the interest of your personal safety and to prevent damage to the product described in this manual and all equipment connected to it.

Safety information and warnings for the prevention of dangers putting at risk the life and health of user and maintenance personnel as well as causing damage to the equipment itself are marked by the following pictograms. Within the context of this manual, these pictograms have the following meanings:

Warning sign
Designates risks for man and/or machine. Non-compliance will create risks to man and/or machine. The level of risk is indicated by the word of warning:

Important information on a topic or a procedure and other important information!

Observe configuration and commissioning information in accordance to the national and local requirements.

Dismantling

In accordance with Directive 2002/96/EG (WEEE), after being dismantled, electrical and electronic equipment is taken back by the manufacturer for proper disposal.

Table of Contents

1 General / Application

Thank you for choosing an Esser by Honeywell product!
Esser is well known for producing high-quality, reliable and innovative products that provide the highest level of safety at their places of installation over years to come. These operating instructions are intended to quickly and comprehensively provide you with information on how to operate the fire alarm control panels FlexES Control in addition to the explanations provided to you by your fire alarm specialist. We recommend reading these operating instructions carefully and storing them together with all of the fire alarm control panel's technical documentation. Please contact the company who installed the fire alarm control panel (FACP) if you have any questions.

It is only possible to efficiently protect buildings, public, commercial and industrial facilities as well as domestic residences and workplaces with a fire alarm system at reasonable expense if such a system is based on and forms a part of sound overall safety concepts and is effectively implemented. The fire alarm control panel FlexES Control is the answer for all such users as well as small commercial and large industrial users who require maximum safety, reliability and efficiency from their fire alarm systems and make consistent use of safety technology, in particular. The modular structure of the fire alarm control panel FlexES Control and unique expansion concept allows it to be fitted with various user-specific micro modules, making it easy to adapt to all user-specific requirements.

The fire alarm control panel FlexES Control is a state-of-the-art fire alarm system component. The use of intelligent fire alarms on short-circuit and fault-tolerant loops guarantees that fires are reliably detected at an early point in time.

This loop - the esserbus® / esserbus®-PLus - can hold up to 127 bus devices, which can be split into 127 individual zones, on a line measuring a total of 3500 metres. The esserbus® is a two-wire line which can be used with a loop / stub line topology and is energised and monitored from two sides. The fire alarm control panel FlexES Control automatically detects the loop's wiring configuration and uses this information to determine the logical addresses of the individual bus devices. This means that the addresses do not have to be separately entered on the individual bus devices. Systems featuring the esserbus®-PLus loop, on the other hand, can also additionally be directly fitted with addressable, bus-compatible alarm devices. These esserbus®-PLus-controlled alarm devices do not require an additional power supply.

The essernet® safety system can be used to link up to 31 fire alarm control panels FlexES Control or other network devices, such as display, operating and alarm units. Each one of the control panels and operating units in the essernet® can be used to operate the fire alarm system, e.g. activate and deactivate individual zones within it. The essernet® also transmits all messages, such as pertaining to fire detection, faults and disablements, to all network devices, making them available at any location. The essernet® transmission protocol further guarantees that data continues to be safely transmitted even if a wire breaks in one of the loops and in the event of a short circuit.

Turning off individual alarm units
In accordance with EN 54-2, audio alarm devices may only be switched off individually if this is also indicated in a way that cannot be suppressed by the fire detection status. In general, these would be individual LED indicators for each siren (control zone). The FACP's standard configuration therefore does not permit such operations or deactivation of an individual line in case acoustic alarm units may be connected here.
This configuration can be changed in the FACP program.

Additional and updated Informations

The described features, specifications and product related informations in this manual correspond to the date of issue (refer to date on the front page) and may differ due to modifications and/or amended Standards and Regulations of the System design, Installation and Commissioning.

Updated informations and declaration of conformity are available for comparison on the www.esser-systems.com homepage.

esserbus® and essernet® are registered trademarks in Germany.

2 Indicating and operating panel

All of the indicating and operating panel (I/O panel) of the fire alarm control panel FlexES with a ¼-VGA display have an illuminated "night design" look. For ease of use and to make it easier to assess the information being presented, only those display and operating elements that are enabled will be illuminated in the case of an alarm event.

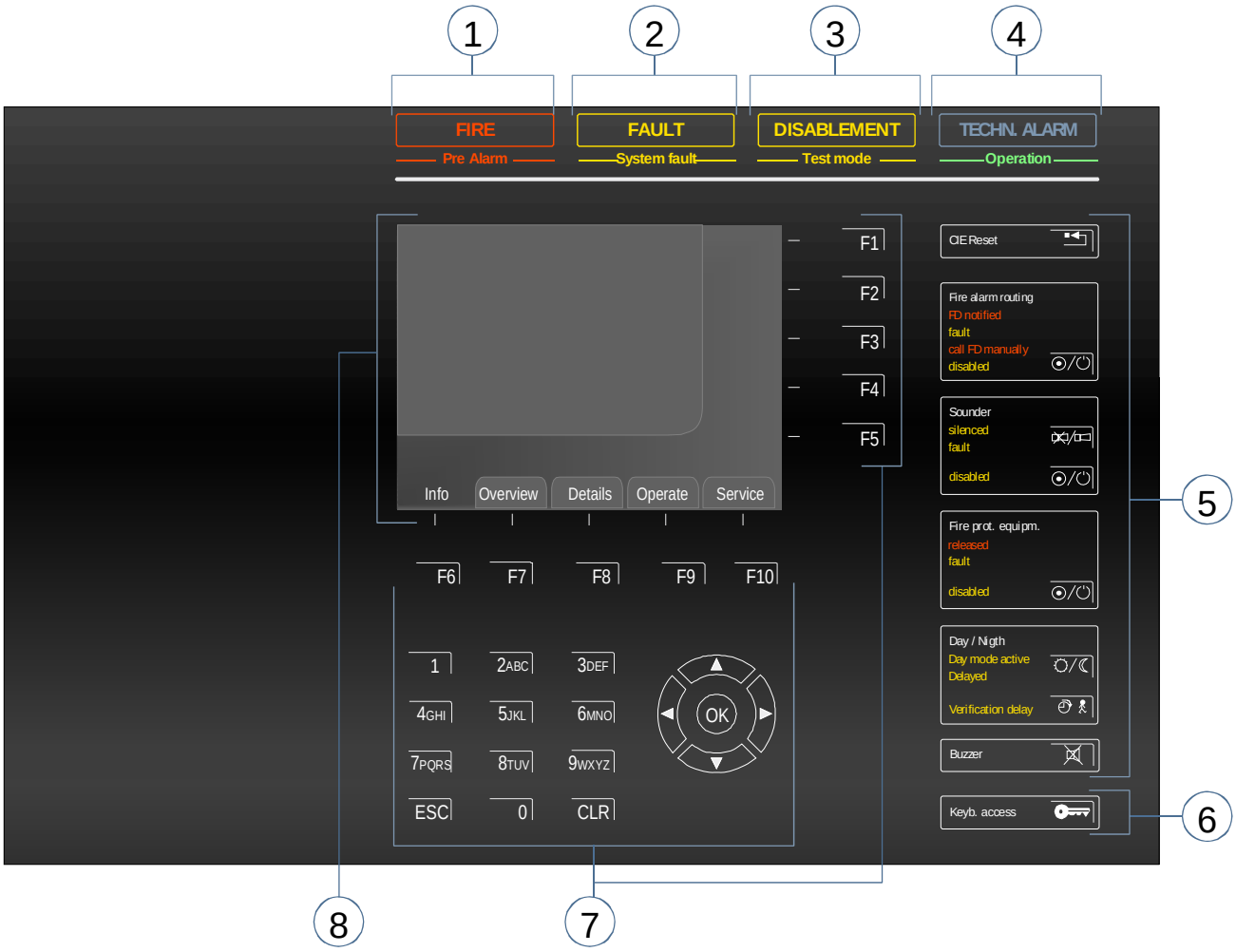


Fig. 1: Overview of display and operating elements

①	Common display FIRE / Pre Alarm
②	Common display FAULT / System fault
③	Common display DISABLEMENT / Test mode
④	Common display TECHN. ALARM / Operation
⑤	Common display and operating function groups
⑥	Keypad enable (requires access code)
⑦	Function keys F1 to F10, keypad and cursor keys
⑧	¼-VGA (320 x 240) plain text display

2.1 Function key descriptions

The function keys serve for quick orientation and operation of individual fire alarm control panel functions.

The keys F1 to F5 are assigned various functions based on the operating state of the fire alarm control panel. The current functions are shown along the right edge of the display.

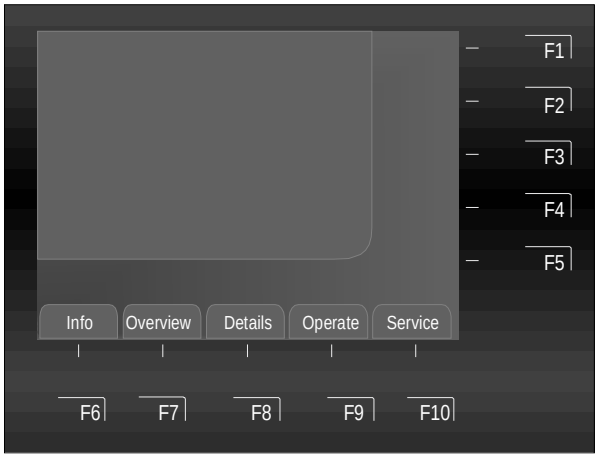


Fig. 2: Function keys F6 to F10

The functions of keys F6 to F10 are permanently assigned and are shown along the lower edge of the display:

F6	**Info**	Display of system-specific information and operating functions
F7	**Overview**	Overview for displaying the current status or message levels
F8	**Details**	Display of current alarms / events
F9	**Operate**	Display the main menu of possible operating functions
F10	**Service**	Select the language for the system-specific display texts Activate operating level for the installation technician (access level 3)

Take note of the corresponding figures and operating states in the specific chapters!

3 Operating mode status indicator

A fire alarm control panel has five distinct operating modes:

1. Operation (normal state)
2. Fire / Pre Alarm
3. Fault / System fault
4. Disablement / Test mode
5. Technical Alarm

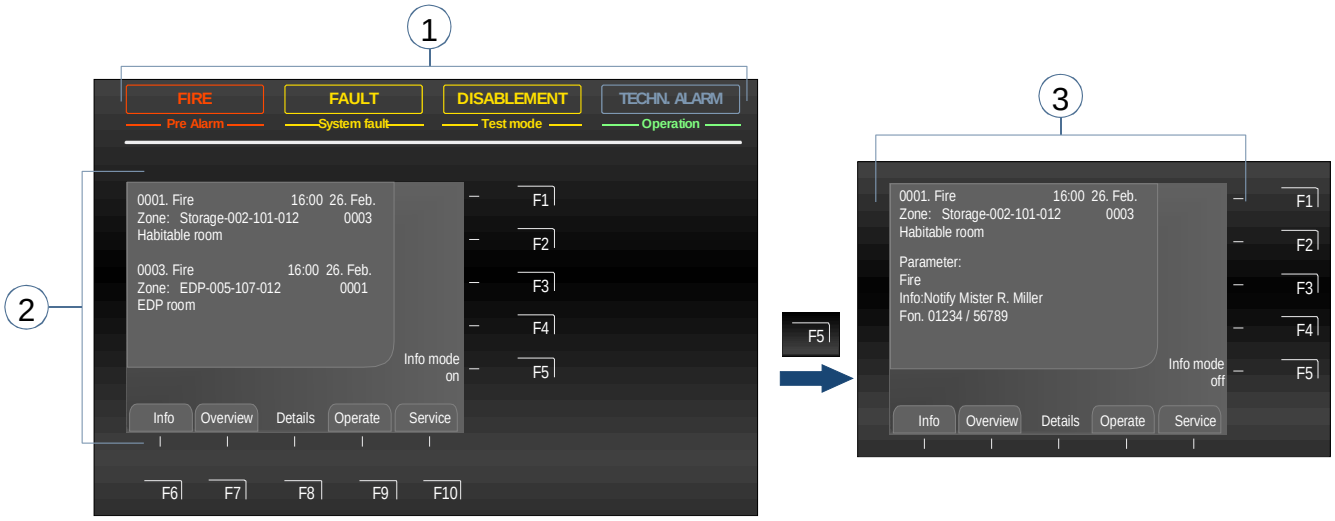


Fig. 3: Operating mode status indicator with additional Info text (info mode on / off)

① Common displays for immediate information

② Detailed text message in display

③ Additional information text with max. 40 characters, if programmed
F5 key ➔ Info modue on/off (alternate function key)

The five operating modes of the fire alarm control panel are described in the following chapters.

Fault / Disablement
In the event of a fault, or if individual control units or system modules of the fire alarm system are deactivated, there is no longer any guarantee that a fire will be duly signalled and that the fire department will be duly notified of any fires.

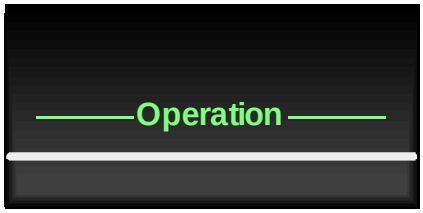
Emergency mode
In emergency mode and in the event of a fault, the functions of the fire alarm control panel are significantly restricted. Notify fire alarm specialist / customer service immediately!

Call FD
If it has not been possible to activate the connected master box (MB), the red >Call FD> indicator will light up. In this case, the fire department was not notified through the MB,
and must be called immediately!

Different display layouts possible.
Depending on the configuration, scope and national requirements and regulations, the actual display on your unit and the alarm sequence used by your unit might differ from the ones shown here.

3.1 Operation / normal state

In its normal state, the FACP is ready for operation and monitoring and has not been modified by outside intervention.



The unit is connected to a power supply (battery or mains).

The fire alarm control panel is ready for operation.

Fig. 4: Operation / normal state

- The green >Operation< indicator is illuminated.
- All other indicators are inactive and there are no messages.
- The operating unit keypad is disabled.
- The >Keyb. access< key is illuminated.

The fire alarm control panel might, during normal operation, indicate that a component within the system, e.g. a zone or a separate control, has been disabled.

Such components can also comprise individual sensors of fire detectors that, depending on the unit's programme, are time or event controlled and deactivated accordingly.

The fire alarm control panel FlexES Control can also be operated in day/night mode. This feature can be used to deactivate sensors, fire alarms, zones or control units during the day-time in critical environments if it can be simultaneously ensured that these areas will be constantly occupied and that the persons occupying the area will be able to directly report any fires.

Day mode

In day mode, the master box can be set to notify the fire department only following a slight delay so as to allow any person present on site to personally verify the fire.

Night mode

In night mode, all fire warnings will be forwarded directly to the fire department.

Please refer to chapter 6.2.3 for more information on the day/night mode and delayed/verification delay functions.

3.2 Fire / Pre-alarm

Common display FIRE

Fig. 5: Fire / Pre-alarm

FIRE (red)
This indicator signals that a fire has been detected and that an internal or external alarm might have been triggered. The fire warning will be shown on the display, and some other indicators might also be illuminated for additional information.

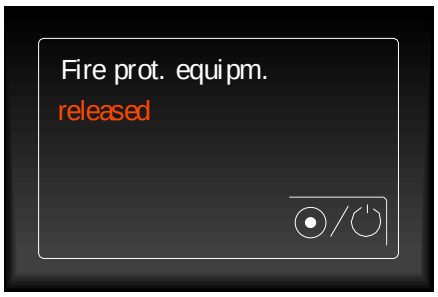
Pre-Alarm (red)
A >Pre-alarm< is shown if a fire detector has reached the pre-alarm threshold or if a zone or detector has detected a fire signal in the case of a pre-programmed two-zone / two-detector interdependency. The >Pre Alarm< is reset automatically if no other signals are detected. If there is a pre-alarm warning, the site from which the pre-alarm originates and its cause must always be checked.
The pre-alarm is the precursor to a fire warning. The decision of whether to issue a pre-alarm or fire warning is made either by the fire alarm control panel or the automatic detector.

- The control panel's internal buzzer sounds.
- The external and internal alarm equipment, such as the acoustic alarms, are activated.
- Programmed fire protection equipment and fire control systems are activated.
- The display shows the zone that is issuing the fire alarm and the relevant configured text.

Other common displays

Fire alarm routing ➔ FD notified (red)
The emergency response services (e.g. fire department) will be automatically notified of the fire through the connected master box.

Fire alarm routing ➔ call FD manually (red)
If no master box is connected or if it has not been possible to activate the master box because of a fault/disablement, the >call FD manually < indicator will also light up, which indicates that it has **not** been possible to automatically notify the fire department.



Fire prot. equipment ➔ released (red)
Fire protection equipment is being activated.

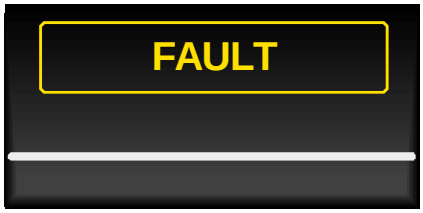
Fig. 6: Other common displays

Fault / Disablement
In the event of a fault, or if individual control units or system modules of the fire alarm system are deactivated, there is no longer any guarantee that a fire will be duly signalled and that the fire department will be duly notified of any fires.

Call FD
If it has not been possible to activate the connected master box (MB), the red >call FD manually< indicator will light up.
In this case, the fire department was not notified through the MB, and must be called immediately!

3.3 Fault / Emergency mode

Common display FAULT



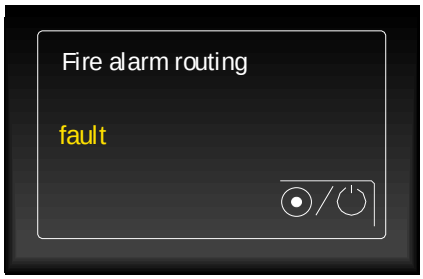
Fault (yellow)
The system has detected at least one fault.
The error message is shown on the display.

Other indicators might also illuminate to provide additional information.

Fig. 7: Fault / Emergency mode

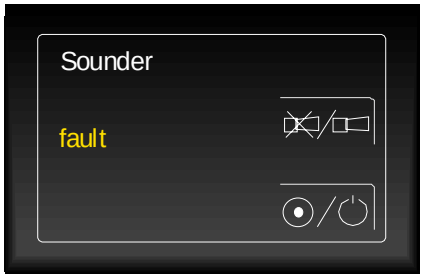
- The internal control panel buzzer is sounded repeatedly.
- The display will show a plain text error message / cause.

Other common displays



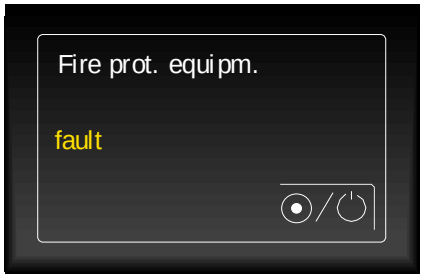
Fire alarm routing ➔ fault (yellow)
At least one of the master box for automatically notifying the fire department or emergency services cannot be activated.
See the display for further details (control zone ID etc.)

This means that, in the case of an event, the fire department will not be automatically called.



Sounder ➔ fault (yellow)
At least one of the acoustic alarms cannot be activated.
See the display for further details (control zone ID etc.)

There is a possibility that not all of the acoustic alarms are activated in the case of an event.



Fire prot. equipment ➔ fault (yellow)
At least one of the activation paths for the fire protection equipment is malfunctioning.
See the display for further details (control zone ID etc.)

The connected fire protection equipment will not be activated in the case of an event.

Fig. 8: Other common displays

Fault

Faulty detector zones / control zones or inputs / outputs will not issue a warning in the case of an event. Notify fire alarm specialist / customer service!

Common display System fault

System fault (yellow) - emergency mode
The fire alarm control panel (FACP) is no longer functioning reliably.

The FACP's warning capability is diminished.

Other indicators might also illuminate to provide additional information.

Fig. 9: Common display System fault

- There will not be any plain text messages.
- Information will not be analysed.
- No external devices will be activated.
- The master box (MB) that automatically notifies the fire department (FD) and the LED >FD notified< and >Call FD manually< messages will be activated if a fire is detected.
- Depending on the programming, additional activations are possible even while the fire alarm control panel is in emergency mode (such as via relay 2).

Emergency mode (system fault)

The fire alarm control panel's proper functioning is no longer reliable when in emergency mode or if the system is faulty. Notify fire alarm specialist / customer service immediately!

3.4 Disablement / Test mode

Common display DISABLEMENT

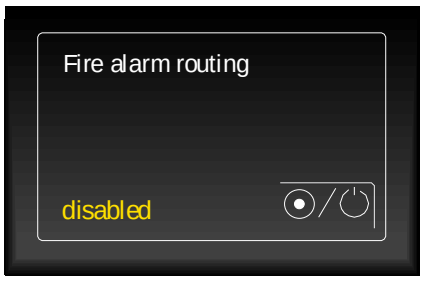
Fig. 10: Common display DISABLEMENT

DISABLEMENT (yellow)
A component within the system (e.g. a zone or control unit) has been deactivated. The deactivation is also shown on the display.

Other indicators might also illuminate to provide additional information.

- The common display > DISABLEMENT< will illuminate.
- The display will indicate the deactivation in plain text.

Additional common display



Fire alarm routing ➔ disabled (yellow)

Is illuminated ➔ The master box for automatically notifying the fire department or emergency services has been manually deactivated. This means that, in the case of an event, the fire department will not be automatically called.

Flashes ➔ The master box activation function is currently deactivated (e.g. due to an open tamper contact). This means that, in the case of an event, the fire department will not be automatically called. This state can only be changed by closing the housing tamper contact. The keys cannot be operated!

This function can be manually switched on/off by pressing the  key (alternate function key).

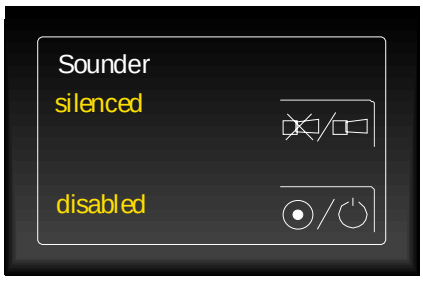


Fig. 11: Other common displays

Sounder ➔ silenced (yellow)

The activated acoustic alarm devices have been acknowledged and silenced. Depending on the program, the alarm devices will be activated again when there are new alarm signals.

The acoustic alarm devices can be switched to silence by pressing the  key and will then be activated again if there are new events. Pressing the key again will activate the sound again (alternate function key).

Sounder ➔ disabled (yellow)

The activation function for the acoustic alarm devices has been automatically or manually deactivated. This means that, in the case of an event, the acoustic alarm devices are not activated and there will not be any acoustic alarm devices.

The alarm devices can be manually switched on/off by pressing the  key (alternate function key).

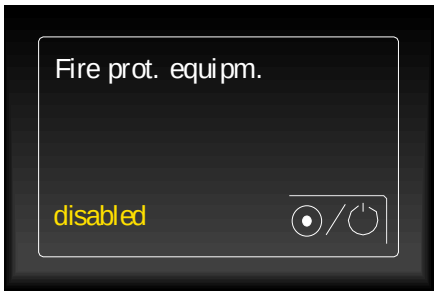


Fig. 12: Other common displays

Fire prot. equipment ➔ disabled (yellow)

The activation function for the fire protection equipment has been automatically or manually deactivated.

The connected fire protection equipment will therefore not be activated in the case of an event.

This function can manually switch the connected fire protection equipment on/off by pressing the  key (alternate function key).

Common display test mode

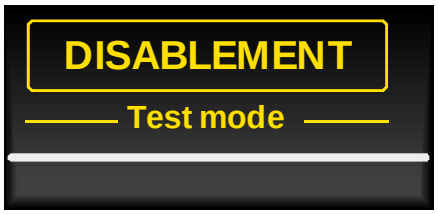


Fig. 13: Common display test mode

Test mode (yellow)

The FACP's test mode has been activated for servicing and maintenance purposes.

Additional information about the Test mode is shown on the display.

Other indicators might also illuminate to provide additional information.

- The unit has been switched to service mode for service and maintenance purposes.
- Detectors / zones can be tested for proper functioning without triggering external or internal alarms.

Fire alarm control panels that have already been installed and are fully operational may only be operated by fully authorised and trained persons, by taking adequate precautions and, where applicable, in consultation with the relevant emergency services (e.g. fire department).

Disablement

In the case of an event, deactivated components will not be activated or triggered and will not issue an alarm!

Test mode

In test mode, no alarms are issued by devices that are switched to test mode! The FACP's ability to detect fires and trigger alarms is restricted!

3.5 Technical Alarm

Common display TECHN. ALARM

Fig. 14: Common display TECHN. ALARM

Technical alarm (blue)
The unit has detected a technical alarm signal (plant alarm).
The alarm cause is shown on the display.

Other indicators might also illuminate to provide additional information.

The technical alarm monitoring function can be used to view or monitor the state of external components.

An example of a technical alarm signal is an external error indicator contact (e.g. of an air conditioning / ventilation system or of an external power supply). The fire alarm control panel will decode and display the triggering of the external contact as a >TECHN. ALARM<.

4 Keypad enable / Access authorisation

When the fire alarm control panel is fully operational and in its normal state, the keypad is protected against unauthorised and accidental operation by an access code. The keypad is locked during normal operation and cannot be used for inputting information. When in this state, the unit can only be operated at access level 1.

Fig. 15: Enable / disable keypad

Enable

Press the key and enter the relevant access code.

Disable

Press the key again.

To protect against unintended activation of the key, which could lead to the release or disabling of the keypad, a detection delay of about 1 second has been set for this key.

Access level 1

Access level 1 allows status messages and alarm signals to be queried / displayed and the control panel's buzzer to be silenced.
Further operation of the FACP depends on the country-specific configuration and may be limited.

Access level 2 (operator)

- The keypad is fully enabled for the operation of the fire alarm control panel FlexES Control and other control panels that are connected to one another via the essernet®.
- The display menu is activated.
- The common display >DISABLEMENT< might illuminate. Depending on the customer data programming, enabling the keypad will cause at least one zone, one output or one of the fire alarm system's components, such as an master box, to be deactivated.

Enter the operator access code to release using the keypad.

Press OK key ➔ confirm

Fig. 16: Access level 2 (operator)

The access code is assigned specifically for the building by the installation technician.

Access code for enabling the keypad

This table contains the factory code setting for access level 2 (operator), which defaults to >0123<.
Once the system has been installed and is ready for use, your fire alarm specialist should change this code and enter the new code into the table.

0123	**Factory setting for access level 2**

Access level 3 (Fire alarm specialist / customer service)

This access level may only be used for operating and configuring the unit and for inputting data by specialist personnel. Incorrect configuration / data inputs can impact the proper function of the fire alarm control panel.

Please note that enabling the keypad might disable a master box!

In the case of a fire alarm, the master box in access levels 2 and 3 might be prevented from being activated due to a programmed disablement, in which case the fire department will not be automatically called.
In the case of a fire, the fire department will therefore have to be alerted by telephone!
Before activating this function, all national and local requirements must be observed!

5 Direct operating functions

The following chapter details the most important operating functions of a single fire alarm control panel FlexES Control (stand alone). These operating functions might differ for control panels that are linked to one another through an essernet®. Please contact your installer / customer service for more information.

- Fully operational fire alarm control panels may only be operated by fully authorised and trained persons, by taking adequate precautions, and where applicable, in consultation with the relevant emergency services (e.g. fire department).
- The control panel's operating functions can only be used if the keypad is enabled for use.
- When a fire department operating panel (FDOP) is connected, it is possible that certain functions may not be executable from the fire alarm control panel. The FDOP has priority control over these functions, which may only be operated by the fire department (for example: >Audio On< if the signal device has been connected to the FDOP):

5.1 Resetting the fire alarm control panel

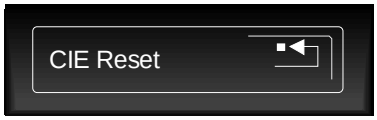


Fig. 17: Resetting the fire alarm control panel

Pressing the  key will reset all triggered or faulty fire alarms, zones, displays and technical alarms to their normal default state and make them fully operational.

5.2 Activating / deactivating fire department call

Fig. 18: Activating / deactivating fire department call

Deactivated (yellow)

Is illuminated ➔ The master box for automatically notifying the fire department or emergency services has been manually deactivated. This means that, in the case of an event, the fire department will not be automatically called.

Flashes ➔ The master box activation function is currently deactivated (e.g. due to an open tamper contact). This means that, in the case of an event, the fire department will not be automatically called. This state can only be changed by closing the housing tamper contact. The keys cannot be operated!

This function can be manually switched on/off by pressing the  key (alternate function key).

5.3 Activating / deactivating acoustic alarms

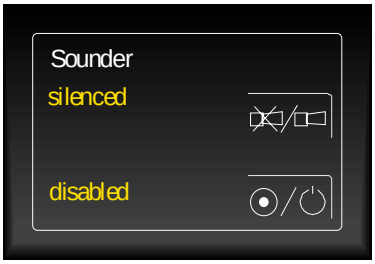


Fig. 19: Activating / deactivating acoustic alarms

Silenced (yellow)

The activated acoustic alarm devices have been acknowledged and silenced. Depending on the programme, the alarm devices will be activated again with each new alarm signal.

The acoustic alarm devices can be silenced by pressing the  key and will be activated again in the case of new events or can be reactivated manually (alternate function key).

Disabled (yellow)

This key can be used to activate or deactivate (alternate function key) the activation function for those relays of this FACP that were programmed with the >acoustic alarm off< function in the customer data, such as the relays to which acoustic and optical alarm devices are connected.

Deactivated components are optically shown in the common display >DISABLEMENT<.

This function can be manually switched on/off by pressing the  key (alternate function key).

5.4 Activating / deactivating the activation function for the fire protection equipment

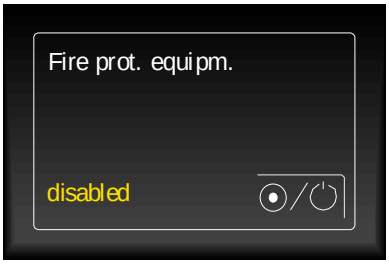


Fig. 20: Activating / deactivating the activation function for the fire protection equipment

Disabled (yellow)

The activation function for the fire protection equipment has been automatically or manually deactivated. The connected fire protection equipment, e.g. a fire extinguishing device, will therefore not be activated in the case of an event.

This function can be manually switched on/off by pressing the  key (alternate function key).

5.5 Day/night mode and delay/investigate

The control panel's alarm responses to events can be individually adjusted for day and night mode.
One example would be a building that, during the daytime, is occupied by people who would immediately notice a fire alert, check whether there is a fire and then manually trigger the alarm.

In this case, the control panel's >Delay< function can be activated in day mode to prevent the master box from being automatically activated. This setting would not apply to **night mode**, where any fire alert would immediately trigger a non-delayable alarm.

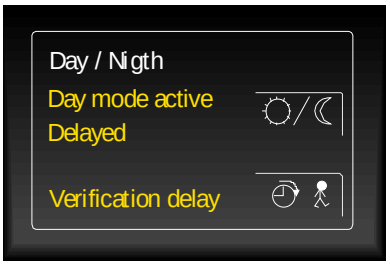


Fig. 21: Day/night mode and delay/investigate

Key 

Activate/deactivate (if programmed) day/night mode.

Delay function active (yellow) ≙ day mode

Illuminates to indicate that the >Day mode< function has been activated on the fire alarm control panel.

Delay activated (yellow)

The programmed delay has been triggered by a fire alarm. Once the time delay has elapsed, the alarm is automatically triggered unless the  key for investigating the cause of the alarm is pressed within this time.

Key 

>Investigate activated< (yellow) display
Pressing this key will stop the delay function and start the programmed investigation time. Once the investigation time has elapsed, the alarm is automatically triggered unless the >Reset FACP< key for resetting the FACP is pressed within this time.

Fire alarms can be set off manually at any time by triggering a manual fire alarm.

Please see chapter 6.2.3 for more information on the day/night mode and delay/investigate functions.

5.6 Switching off the buzzer

Fig. 22: Switching off the buzzer

Acknowledging the control panel's buzzer

This key  can also be operated if the keypad is disabled.
The buzzer will be activated again when there is a new event.

6 Operating menu

6.1 Function keys / display control

The ten function keys (F1 to F10) can be used to select the associated menu items as shown in the plain text display. The menu items shown in the display will differ depending on the respective control panel status and operating level.

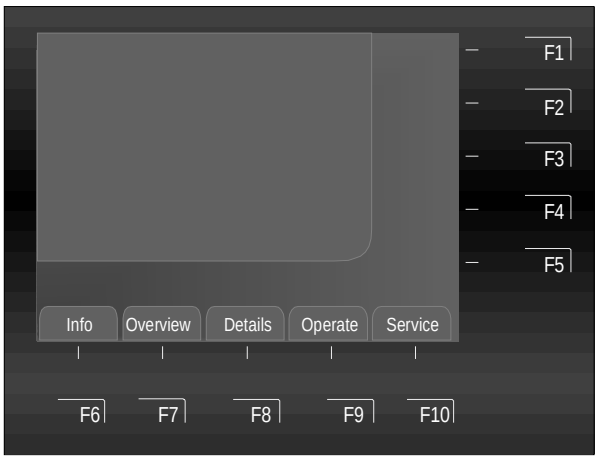


Fig. 23: Function keys / Selection menu

Main menu items (F6 to F10)

The selection menu provides direct access to logically grouped menu items. When the keypad is enabled, the display will show up to four menu items, which can be individually selected using the function key shown directly underneath it.

Info	➔	Lamp test, set time, Time for delay on/ off, alarm counter, upgrade, power supply, LCD parameters.
Overview	➔	Common display and number of different message types such as >Fire alarm, fault, disabled< etc.
Details	➔	Indication of status based on the priority level of the current messages.
Operate	➔	Operate detector and/or control zones (On/Off, status query and test function).
Service	➔	Select the language for the system-specific display texts. Activate operating level for the installation technician (access level 3).

Function keys F1 to F5

In the fire alarm control panel programming, the F1-F5 function keys can be assigned freely programmable switching functions. It is also possible to assign an additional text to these switching functions for indication on the display as well as a short description of the switching function for “labelling” the respective function key.

Custom operating menu

A customer, user-defined operating menu with max. 6 menu functions can be created in the customer data for individual operation of certain central functions.

Detailed information on defining user-specific functions can be found in the online help for the service and programming software tools 8000.

6.1.1 Message priority levels

Priority levels

The plain text display of the fire alarm control panel FlexES Control always shows the first and last messages that have the highest current priority level.

If several messages with the same priority level exist at the same time, they can be opened by pressing the arrow keys.

At priority level one, only all the groups signalling a fire are displayed.

The corresponding detectors (FIRE-Det) are displayed in priority level 2 messages.

Priority stage	Condition	Display
1	Fire alarm (zone)	FIRE
2	Fire (fire detector details)	FIRE Det
3	Fire loop	FIRE
4	Technical alarm	T-ALARM
5	Pre-alarm	PRE ALARM
6	Trouble	TROUBLE
7	Trouble loop	LINE TROUBLE
8	Transfer route switched on (loop)	LINE ON
9	System trouble	SYS TROUBLE
10	Disconnection	DISCONNECTION
11	Disconnection loop	LINE OFF
12	Trouble relay output	TROUBLE
13	Switch-off relay output	O/P OFF
14	Activate	ACTIVATE
15	Testmode	TEST

If the FACP is operated while a message is being displayed, the function associated with the message will be performed. If no keys are pressed, the display will automatically show the message with the highest priority again.

6.2 >Info< menu

The >Info< menu contains a range of information on various components of the fire alarm control panel, which can also be obtained or viewed by using the corresponding cursor keys.

Press key ➔ menu Info on

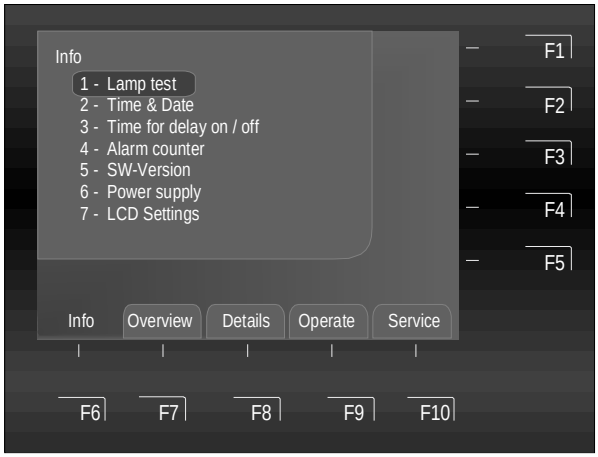
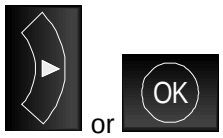


Fig. 24: >Info< menu

Navigating within the >Info< menu

Direct selection by entering a number 1 - 7

Scroll or page up/down the display screen



or

For confirming a selection

Press key ➔ back to >Info< menu

1. Lamp test	Switch on the lamp test function to check the visual and audible indicators of the operating panel (see chapter 6.2.1)
2. Time settings	Input the system time and system date (see chapter 6.2.2)
3. Time for delay on/off	Input the switching times to control the delay function (see chapter 6.2.3)
4. Alarm counter	Alarm counter display (see chapter 6.2.4)
5. Configuration	Displays the system hardware and software version data of the fire alarm control panel (see chapter 6.2.5)
6. Power supply	Displays the current power supply values for service and maintenance purposes (see chapter 6.2.6)
7. LCD Settings	Contrast and brightness setting of the display (see chapter 6.2.7)

6.2.1 Lamp test

The >Lamp test< function will activate the control panel's display (with general information) and all of the operating unit's optical displays and the control panel's internal buzzer for approx. 10 seconds in order to test the operating unit's optical and acoustic indicators.

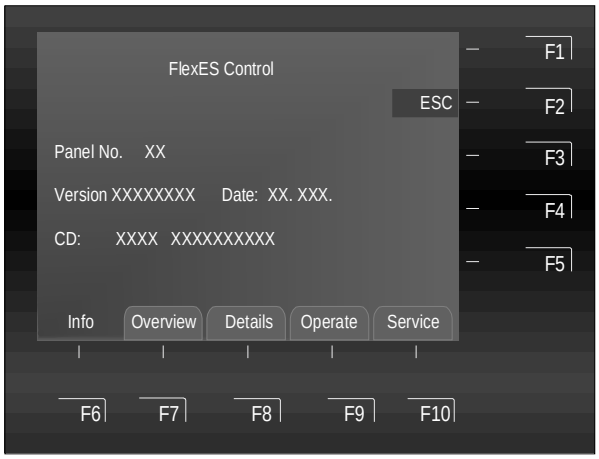
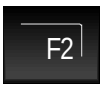


Fig. 25: >Lamp test< Info menu item

Start lamp test

Select the >Lamp test< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number.



Stop lamp test

ESC = The lamp test can be stopped before its scheduled 10 second duration by pressing the >F2< key.

The lamp test stops automatically after approx. 10 seconds!

- The control panel's buzzer goes off.
- The display will show information on the control panel type, control panel ID and other data.

6.2.2 Time settings

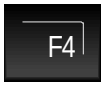
The time and date can be set by opening the >Info< menu using the corresponding function key.

Fig. 26: >Time settings< Info menu item

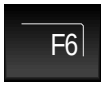
Start entering the time

Select the >Time settings< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number.

Highlight the relevant input field (hours, minutes, day, etc.) using the cursor keys or function keys and enter the required value using the keypad.



Save ➔ Save the numeric values displayed on the screen.



Press key ➔ back to >Info< menu <u>without</u> modifications.

If no keys are pressed, the menu closes automatically after approx. 10 seconds <u>without</u> saving any of the changes / inputs!

6.2.3 Time for delay on/off

This function allows the master box, alarm equipment and fire protection equipment to be activated only following a delay. This can be used, for example, in buildings and areas that are always occupied to allow a direct alarm to be delayed by pressing of the key  so that the remaining time (programmable) before automatic issuing of an alarm can be used to determine why the alarm was triggered.

If this function has been activated in the fire alarm control panel's program, it can be programmed with a specific switching time for automatic activation/deactivation. The switching time can be entered as follows:

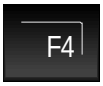
1. By the fire alarm specialist in the customer data program
2. In the fire alarm control panel under >Time settings< (Info menu)
3. A combination of point 1+2

The fire alarm system's operator can also enter a switching time for the > Time for delay on/off< function in addition to the switching time programmed in the customer data (if programmed by the fire alarm system installer) under the >Time for delay on/off< menu item.

Start entering the time

Select the >Time for delay on/off< menu item

Highlight the relevant input field (hours, minutes, day, etc.) using the cursor keys or function keys and enter the required value using the keypad.



Save ➔ Save the numeric values displayed on the screen.

Press key ➔ back to >Info< menu <u>without</u> modifications.

Fig. 27: Display Info - >Time for delay on/off<

If the installer of the fire alarm system programmed a switching time for the >Time for delay on/off< function in the customer data, the system will accept the <u>first activation time and first deactivation time</u> as the valid switching time if an additional switching time is also entered under the >Time function< menu item. The customer data can also be programmed with >Special days< on which the automatic delay/investigation time (i.e. programmed by the installer) does <u>not</u> apply.

To use the >Time for delay on/off< function, this must be activated for the desired detector zones in the customer data programming of the control panel.

Example:

Customer data programming:	Activation time **06:30** am, deactivation time 21:30 pm
Operator input:	Activation time 10:00 am, deactivation time **15:00** pm
Applicable switching time:	Activation time **06:30** am, deactivation time **15:00** pm

Please take into account and observe any additional local requirements and regulations!
Use of this function is strictly subject to observance of all national and local requirements and regulations. Depending on the area of use and the specific application, use of this function might be prohibited or it might be necessary for the programmable delay / verification times to comply with certain regulations.

If the >Time for delay on< function has been activated, the master box, alarm equipment and fire protection equipment will only be activated after the programmed delay time has elapsed in the case of fire alarm. If the key  is pressed during this delay, the delay function is stopped and the activation of the master box, alarm equipment and fire protection equipment is delayed once more by the programmed investigation time. This time period can then be used to investigate the cause of the alarm.

Sequence of actions in the case of an event

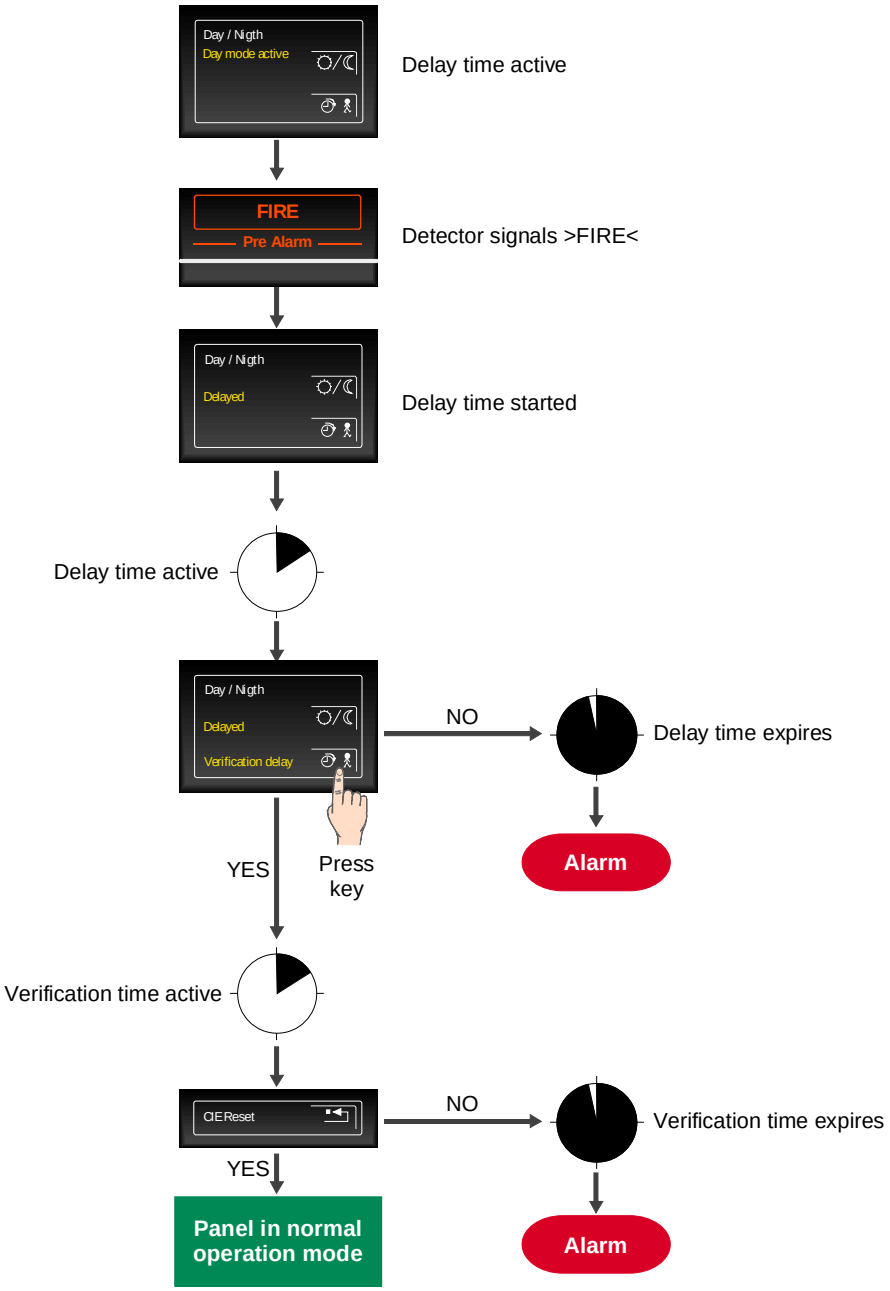


Fig. 28: Sequence of actions in the case of an event

- Once the delay and verification time have elapsed, the master box, alarm equipment and fire protection equipment are automatically activated unless the >CIE Reset< key is pressed beforehand and the alarm cancelled.
- The fire alarm system can be manually triggered at any time, which will activate all of these components immediately, depending on the programming.
- In event of additional (a second one or more) fire alarms, the delay time is ignored and an alarm is issued immediately.
- The delay and investigation time is programmed on a building-specific basis and should be based on the current VdS guidelines and local requirements, if applicable.

6.2.4 Alarm counter

List showing individual alarm messages from fire and technical alarm detection zones for this particular FACP and the sum total of the other fire alarm control panels connected through the essernet®.

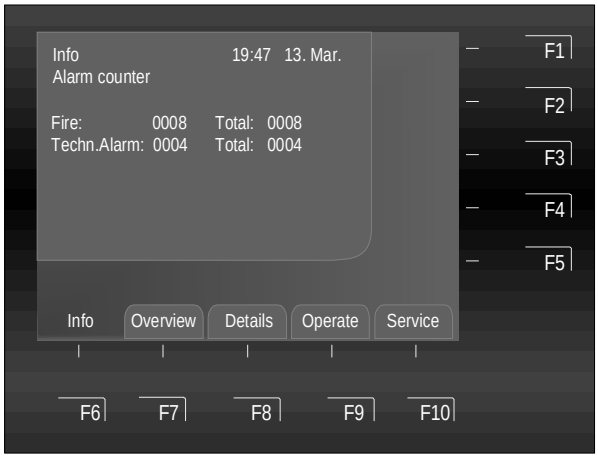


Fig. 29: >Alarm counter< Info menu item

Display alarm counter

Select the >Alarm counter< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number.

Example alarm counter screen

The system has recorded 8 fire alerts and 4 technical alarms from this fire alarm control panel.

The sum total of all of the alarm messages recorded to date in the essernet® network are 8 fire alerts and 4 technical alarms (TAL). The four-digit alarm counter records a max. of 9999 events for each type of message or alert, after which it will start counting again at >0000<.

Press key ➔ back to >Info< menu

If no keys are pressed, the menu closes automatically.

The fire alarm control panel FlexES Control also features an integrated event log that is capable of recording 10.000 events in chronological order. The event log can be opened at the service PC and the events viewed, sorted or printed, for instance by message type and time.

6.2.5 Configuration

The display will show the system's hard and software version data. This information can be used to quickly obtain system information for service and maintenance purposes, or at the request of technical customer service (The display might differ from the one shown).

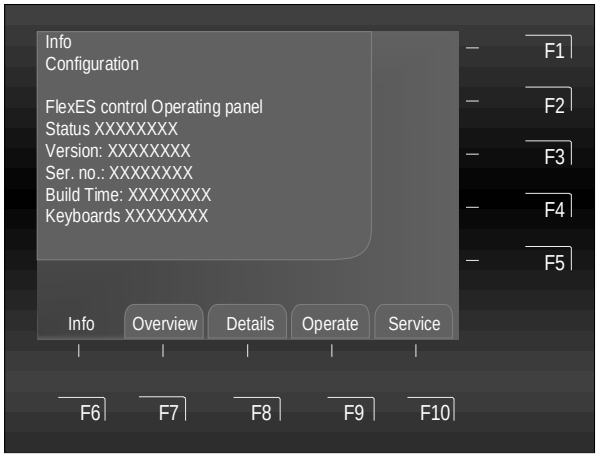
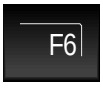


Fig. 30: >Configuration< Info menu item

Display configuration information

Select the >Configuration< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number.



Press key ➔ back to >Info< menu

If no keys are pressed, the menu closes automatically.

6.2.6 Power supply

The power supply's technical data will be displayed. This information can be used by the installation technician to quickly obtain system information for service and maintenance purposes (the display might differ from the one shown).

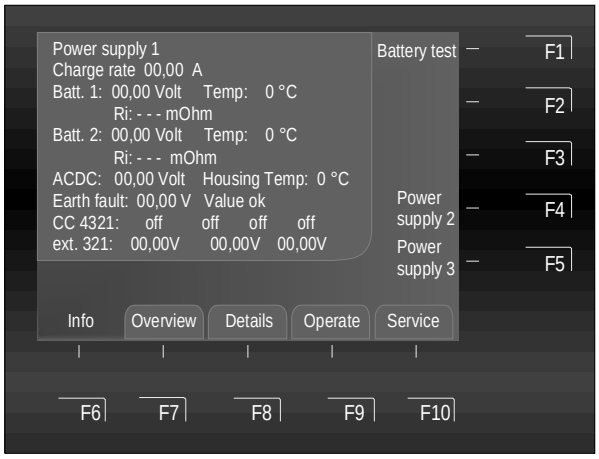


Fig. 31: >Power supply< Info menu item

Display power supply specifications

Select the >Power supply< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number. Depending on the configuration of the fire alarm system, the panel can display up to 3 power supplies for each FACP.

F1 Start service function >Battery test< of the displayed power supply

F3 Update displayed values for power supply 1

F4 Update displayed values for power supply 2

F5 Update displayed values for power supply 3

F6 Press key ➔ back to >Info< menu

If no keys are pressed, the menu closes automatically.

Power supply values
Detailed information on the meaning of the displayed power supply values can be found in the online help for the service and programming software tools 8000.

6.2.7 LCD Settings

This function can be used to adjust the display's (brightness + / brightness -) and (contrast +/ contrast -).

Fig. 32: >LCD calibration < Info menu item

Display / change the display's LCD calibration

Select the >LCD Settings< menu item from the Info menu and confirm the selection by pressing the >OK< key or select it directly using the keypad by entering a number.

F1 F2 Brightness + / -

F3 F4 Contrast + / -

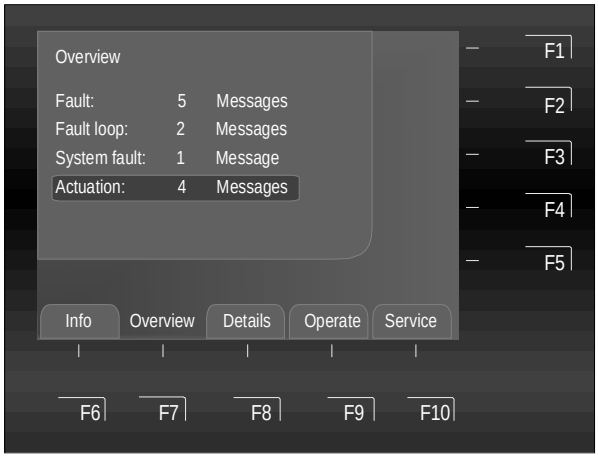
F5 Saves the current LCD settings

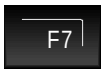
F6 Press key ➔ back to >Info< menu

If no keys are pressed, the menu closes automatically.

6.3 >Overview< menu

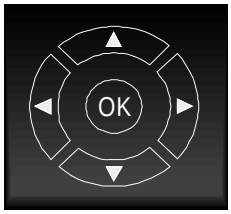
The >Overview< menu contains information on all of the current status and message levels such as >Fire<, >Disablement< and >Fault< of the fire alarm control panel by order of priority.





Press key ➔ menu Overview on

Fig. 33: >Overview< menu



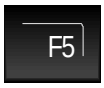
If there are more messages than can be displayed on the screen, the messages can be scrolled through using the cursor keys.

By inputting a number 1-9, the relevant message can be selected directly. Depending on the message sizes, a max. of 9 messages are displayed.

Should there by more than 9 messages pending, then use >F5< to move to the next message list.

Viewing >Status< details

The detailed >Status< function is described in the following chapter.

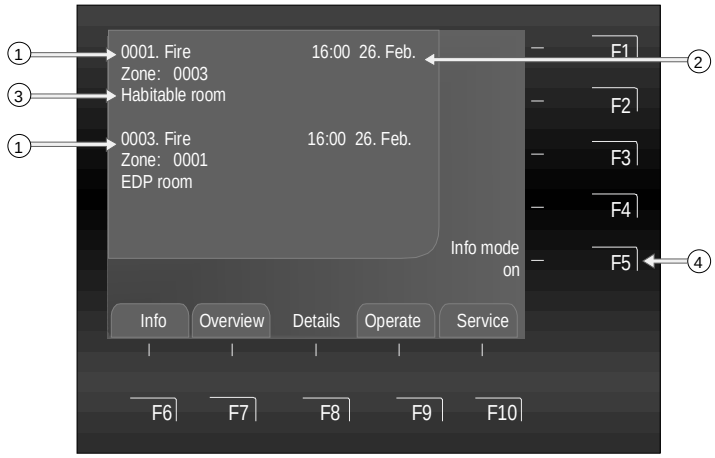


Press ➔ to enable lateral scrolling.

Inputting the number on the keypad, enables the detailed display of the selected display priority in the >Status< view.

6.4 >Details< display

The fire alarm control panel FlexES Control status display allows messages to be detected and classified quickly and efficiently. In addition to the coloured common displays in the indicating and operating panel, all critical and additionally useful information is displayed in detail.



F8 Press key ➔ Status display on

Decoding the information conveyed in the message >0001. Fire<:

- First fault alarm on 26th February at 16:24 pm.
- The additional text programmed for zone provides information on the message cause.

Fig. 34: Status display for a fire alarm message (example)

① The system has received a total of three fire alerts. The display will always only show the first (1.) and last (in this case, 3.) message. The other or next alarm messages can be accessed by scrolling through the messages until getting to the next one (2.).

② Time / date of this alarm message.

③ Line showing additional text (shows additional text entered for this message).

④ Info mode on / off

The additional text for the displayed group / message is automatically displayed - if programmed. The F5 function key >Info mode on<can be used to switch between the additional text and the parameter display. If no additional text was programmed for this message, the menu item >Info mode< will not be shown.

Deviating display screen

The display screen for this menu item depends on the customer data programming and is described here without the extended function for input/display of identifiers.
For more information and differences from the version with identifier function, see chapter 7.

When viewing the additional text, it is possible to switch between the additional text display and the parameter display by pressing F5.

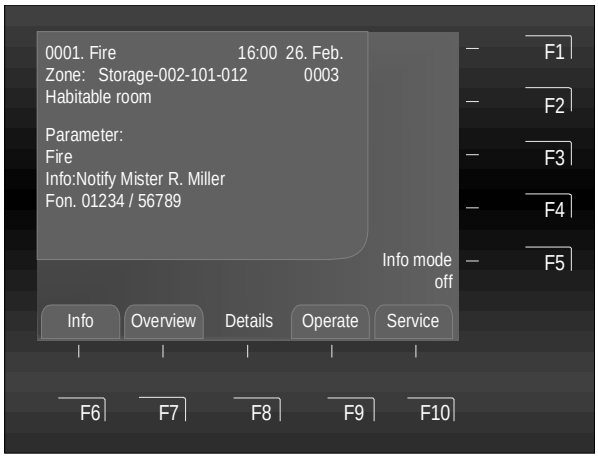


Fig. 35: Info mode (example)

Press key ➔ Info modue on / off
(alternate function key)

Example information text display

The information text (max. 4 lines / 40 characters per line) specific to this zone and specifically programmed for this message in the fire alarm control panel's customer data can be opened by pressing the >F5< key. In this example, a two-line information text has been programmed for zone 0003 when in fire condition:

Notify Mr. R. Miller

(Fon. 01234/ 56789)

To return to the status display, press the >F5< key.

If no keys are pressed, the display will automatically return to showing the previous menu item.

Operating functions available when viewing the status indicator

The fire alarm control panel's messages are displayed on the display in order of priority. If there are several messages of varying priority, these messages can be viewed as required.

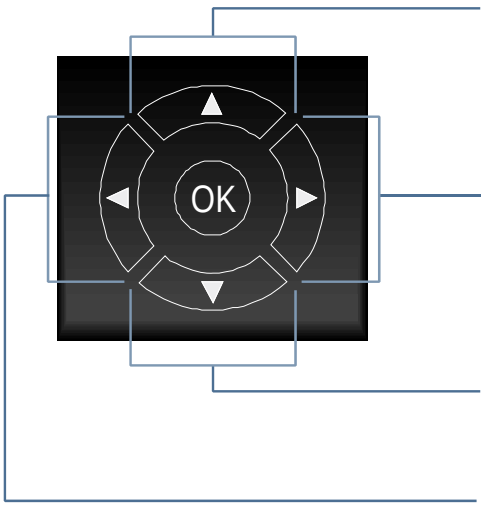


Fig. 36: Cursor keys

① First / last message with next higher priority

② Next equal priority message / **other messages**

③ First / last next lower priority message

④ Previous equal priority message

⑤ OK ➔Confirm selection/input highlighted on display

The different display messages and their associated priority levels are shown in the table in chapter 6.1.1.

6.5 >Operate< menu

The >Operate< menu contains a range of operating functions for controlling the fire alarm control panel. When opening the operation menu in the status display, the operation options for the relevant zone or control panel whose status was being viewed will open.

The display screen for this menu item depends on the customer data programming, here the display screen is described without the extended function for input/display of identifiers.

For more information and differences from the version with identifier function, see chapter 7.

- Depending on the configuration, scope and local requirements and regulations, the actual display on your unit might differ from the ones shown here.
- The text "identifier" only appears on the displays if the "identifier" function has been programmed in the customer data.
- Additional information for installation technicians can be found in the online help in the service and programming software tools 8000.
- The programmed, building-specific operations and displays must be documented by the installation technician for the operator / owner of the FACP.

The keypad can be used to enter both numbers and letters.
Depending on the items shown on the display, functions can be selected directly by entering the associated ID.

Fig. 37: Keypad

ESC Cancel a function

CLR Delete last entry

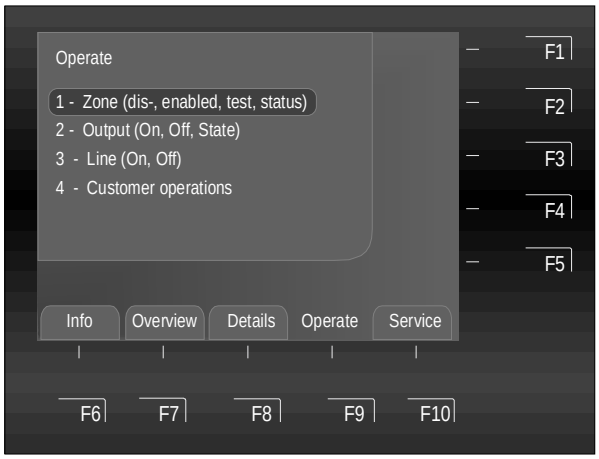


Fig. 38: >Operate< menu

F9 Press key ➔ Operate

Select the >Zone Operate< function in the Operate screen and run it with the >OK< key or select it using the keypad by entering a number 1 - 4 ➔ the sub-menu is then opened directly.

The cursor keys can be used to switch between the main menu /sub-menus.

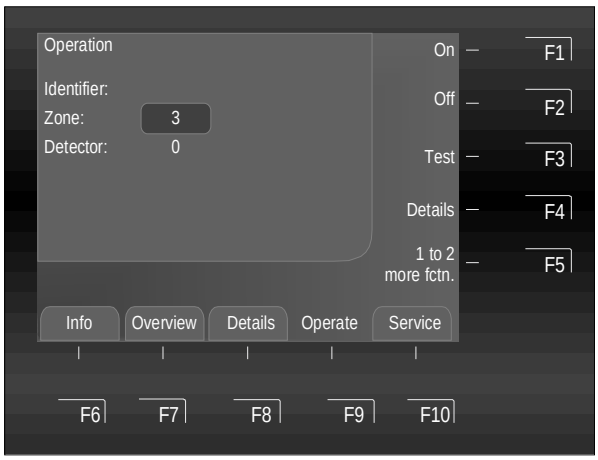
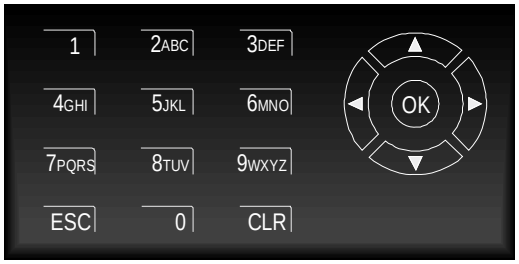


Fig. 39: Disablement of control zone 22 (example)

Detectors, zones, loops and/or control panels

- disabled / enabled
- Test
- Details
- More functions

The system is operated using the F1 - F5 function keys.



Cursor field

The required input field can be selected using  and  (e.g. detector ID).

Keypad

Enter the required number into the highlighted input field.

Fire alarm control panels that have already been installed and are fully operational may only be operated by fully authorised and trained persons, by taking adequate precautions and, where applicable, in consultation with the relevant emergency services (e.g. fire department).

6.5.1 Operation Zone

The display screen in this menu item depends on the customer data programming and design. The description in this chapter does not cover the extended function for the input/display of identifiers.
For more information and differences from the version with identifier function, see chapter 7.

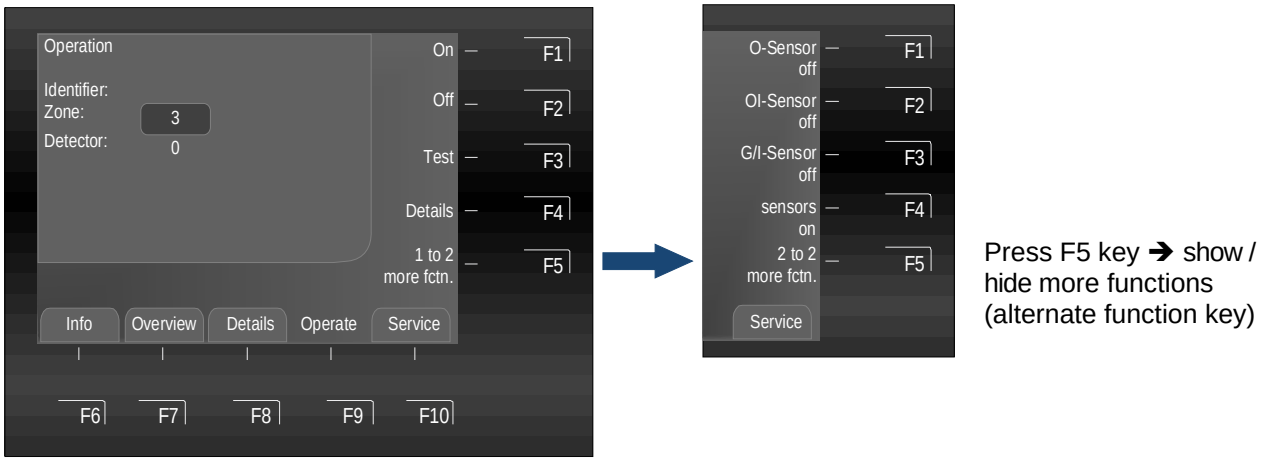


Fig. 40: Function menu 1 and 2

Activating / resetting a zone

The activate/reset function reactivates a deactivated zone, including all of its fire alarms, and returns to a fully operational state or resets a zone that is already activated and deletes any current messages such as fire or error messages.

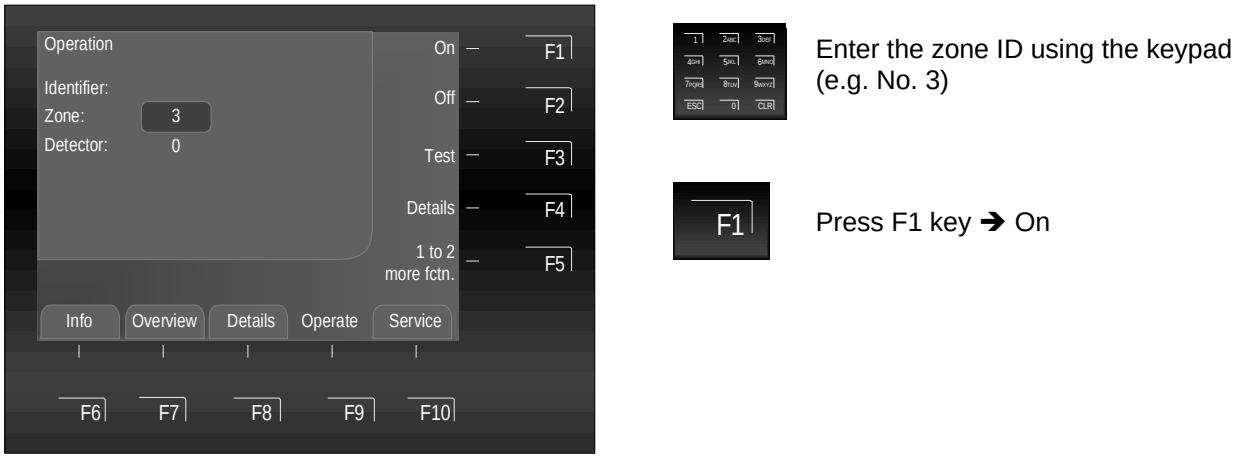


Fig. 41: Activation/resetting of zone 3 (example)

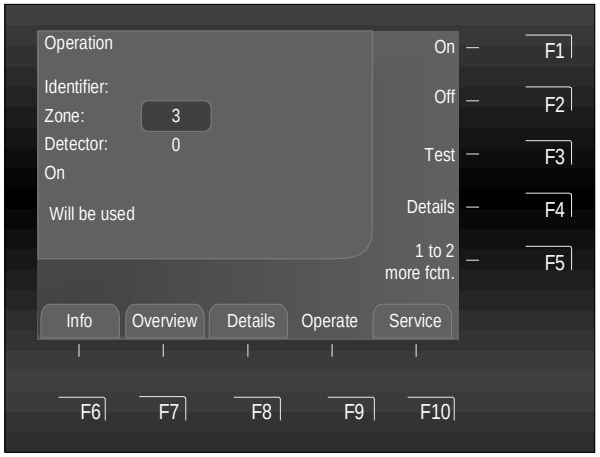


Fig. 42: Operation will be used (example)

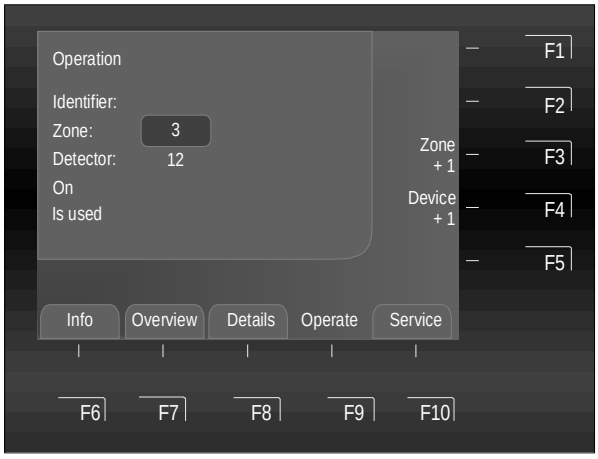
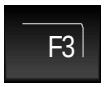
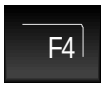


Fig. 43: Display showing activation of zone 3 (example)

The corresponding zone will be activated and/or the activation process will reset any potential error or alarm messages.



Zone +1 ➔ Zone number + 1



Detector +1 ➔ Detector number + 1

Switch back to the menu for the last operated zone (Zone 3 in the example).

Disable a detector zone

When disabling a zone, the zone will be deactivated along with all of its fire alarm detectors.
The zone can be selected using the zone ID.

Fig. 44: Disablement of zone 3 (example)

Enter the zone ID using the keypad (e.g. no. 3)

Press F2 key ➔ Off

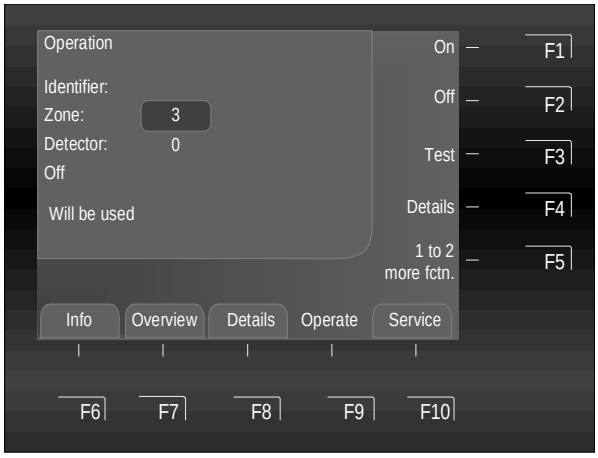


Fig. 45: Operation will be used (example)

The performance of this operation will be briefly confirmed on the display with a text message.

The relevant zone is deactivated.

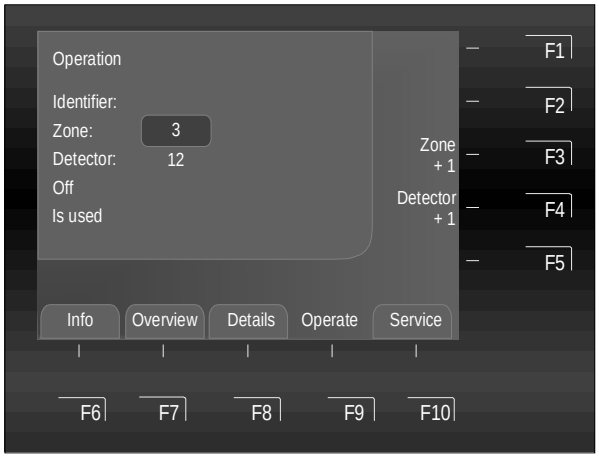
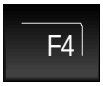


Fig. 46: Display showing disablement of zone 3 (example)

The corresponding zone will be disabled and/or the activation process will reset any potential error or alarm messages.

After completing an operation, the menu will continue to be displayed so that further operations are possible.

Zone +1 ➔ Zone number + 1



Detector +1 ➔ Detector number + 1

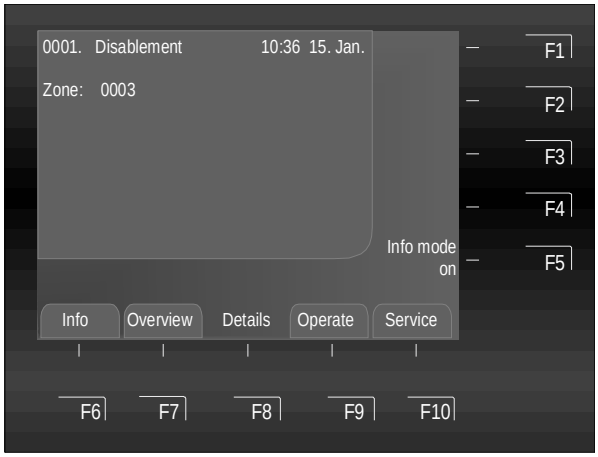


Fig. 47: Display showing deactivation of zone 3

The deactivation will be shown in the status display.

In addition to the plain text message in the display, the deactivation will also be optically indicated by the common display >Disablement< on the operating unit.

A deactivated zone cannot issue an alarm in the case of an event!

Test of a zone

This menu item can be used to switch a zone to test mode for testing purposes. The test function, activates all the programmed displays and controls associated with this zone and the status of the zone.

This function only applies to the detectors associated with this (local) FACP.

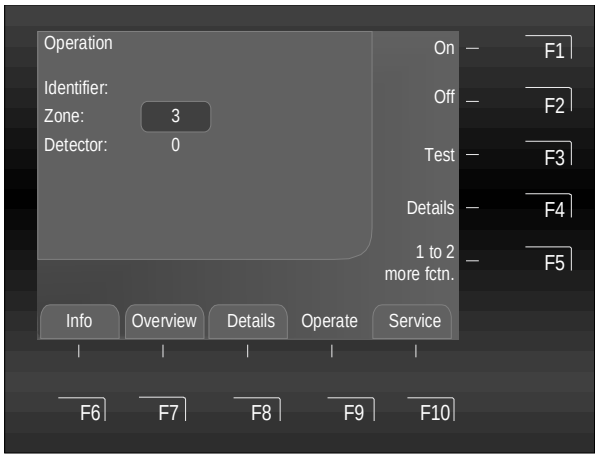
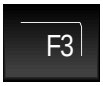


Fig. 48: Test of zone 3 (example)

Enter the zone ID using the keypad (e.g. no. 3)



Press F3 key ➔ Test

Execution of this operation will be briefly confirmed on the display with a text message.

The relevant zone is switched to test mode.

Numbers already entered be deleted using the >CLR< key.

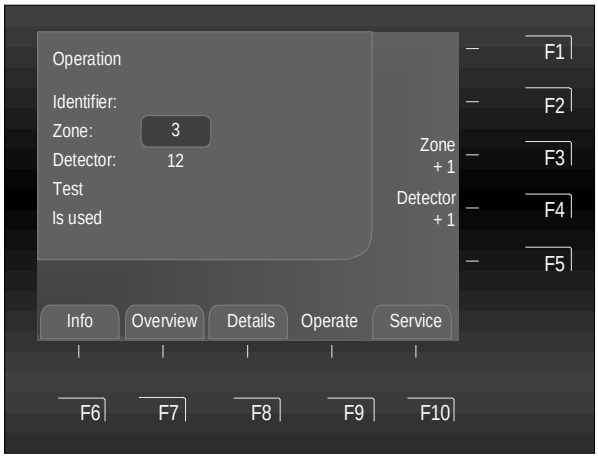
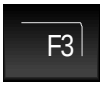


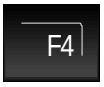
Fig. 49: Zone 3 - Display showing test function (example)

Activation of the test function is briefly confirmed on the display.

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Zone +1 ➔ Zone number + 1



Detector +1 ➔ Detector number + 1

Depending on the customer data programming, the test function might also activate the master box (MB) and other external alarm devices.

Details of a zone

This function can be used to check the current status, such as >Normal<, >Alarm< and >Fault<, of the relevant zone.

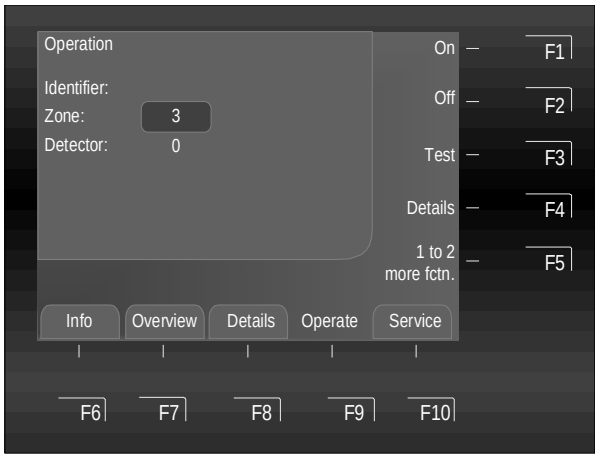


Fig. 50: Checking the status of zone 3 (example)

Enter the zone ID using the keypad (e.g. no. 3)

Press F4 key ➔ Details

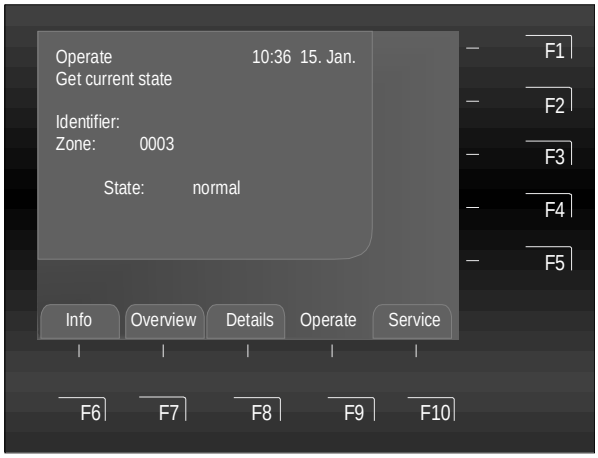


Fig. 51: Zone 3 - Display showing current status (example)

The display shows the status of the selected zone (normal, fault, disablement etc.).

Sensor Activation/deactivation

Using this function, detector sensors of the intelligent fire detector such as all O sensors (Optical = photoelectric sensor) or all I sensors (I = ionisation smoke sensors) or in OHG intelligent detectors the OG sensor combination or in OHI intelligent detectors the OI sensor combination in an loop can be switched off.

If, for example, OHI intelligent detectors are disconnected with the >OI sensors off< function, only the third sensor - the H sensor (heat sensor) - remains active. Disconnecting the heat sensors (H sensors) is not possible.

Detector sensor abbreviations

O-detector	⇒	Optical fire detector with a single sensor (photoelectric sensor)
H-detector	⇒	Heat detector with a single sensor (Heat sensor)
I-detector	⇒	Ionisation smoke detector with a single sensor (Ionisation sensors)
OH-detector	⇒	Intelligent fire detectors with two various sensors (OH= Photoelectric and Heat sensor)
OHG-detector	⇒	Intelligent fire detectors with three various sensors (OHG= Photoelectric-, Heat - and Gas sensors)
OHI-detector	⇒	Intelligent fire detectors with three various sensors (OHI= Photoelectric-, Heat - and Ionisation sensors)

It is only possible to switch off sensors with the OH, OHG and OHI intelligent fire detectors.

If intelligent fire detectors are installed together with single-criteria detectors (detectors with just one sensor) on an loop, only the sensors on the intelligent detectors are switched off.

Activation/deactivation prohibited

The display shows the detector sensors that are activated/deactivated.

If a sensor on an loop has already been deactivated, such as if all fire detectors have already been set to >I/G-sensor off< or if this loop does not contain any of the selected types of sensors or if an entire zone was deactivated, the display will show the plain text message >Activation/deactivation prohibited<.

On loops, deactivation functions, such as for sensors or detectors, can generally only be executed if no other subordinated components are deactivated. If individual detector sensors within a zone have already been deactivated previously, it will not be possible to deactivate this zone as a whole since this zone already contains deactivated components.

It is, however, possible to deactivate another zone on this loop on which none of the sensors / detectors have yet been deactivated. For example, in order to change an existing sensor deactivation, it is first necessary to switch on all deactivated detector sensors with the >Activate all sensors< command. After all the detector sensors are switched on, another deactivation / sensor deactivation can be performed.

Activate/deactivate Loop Sensors

The menu allows trained operators to deactivate individual sensors while the fire alarm control panel is fully operational.

Fully operational fire alarm control panels may only be operated by fully authorised and trained persons, by taking adequate precautions, and where applicable, in consultation with the relevant emergency services (e.g. fire department).

Please observe the system-specific information provided by the fire alarm specialist!

This function allows sensors from one zone on a loop to be switched on/off.

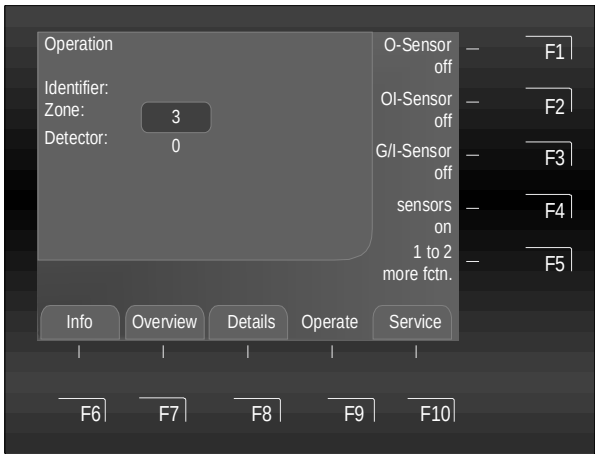
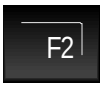


Fig. 52: Activate/deactivate Sensors (Loop) (example)

Enter the zone ID using the keypad (e.g. no. 3)

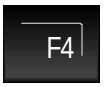
Selecting the desired functions F1 - F4

Press F1 key ➔ O-Sensor off

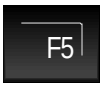


Press F2 key ➔ OI-Sensor off

Press F3 key ➔ G/I-Sensor off



Press F4 key ➔ sensors on



Press F5 key ➔ show / hide more functions (alternate function key)

Example sensor deactivation (Zone)

An esserbus® loop is fitted with OH-fire detectors (smoke/heat detectors) and OHG fire detectors (smoke/heat/gas). The >O-sensor off< command deactivates all of the optical sensors (O-sensors) of the fire detectors on this esserbus®.

This deactivation can be reversed using the >Sensors on< command and all deactivated sensors on the esserbus® loop can be reactivated.

6.5.2 Operation detector

Activating / resetting individual detectors

The detector-related functions apply only to addressable fire detectors of the IQ8Quad series.

The display screen for this menu item depends on the customer data programming, here the display screen is described without the extended function for input/display of identifiers.

For more information and differences from the version with identifier function, refer to chapter 7.

Activating individual detector

By activating a detector, a single deactivated detector of the selected zone is switched to being fully operational or, where detectors are already activated, any current detector messages - e.g. fire or error messages - are reset.

Fig. 53: Activation/resetting of zone 3-detector 12 (example)

Enter the zone ID using the keypad (e.g. no. 3)

Select the >Detector< input field using the cursor keys

Enter the detector ID using the keypad (e.g. no. 12)

Press F1 key ➔ On

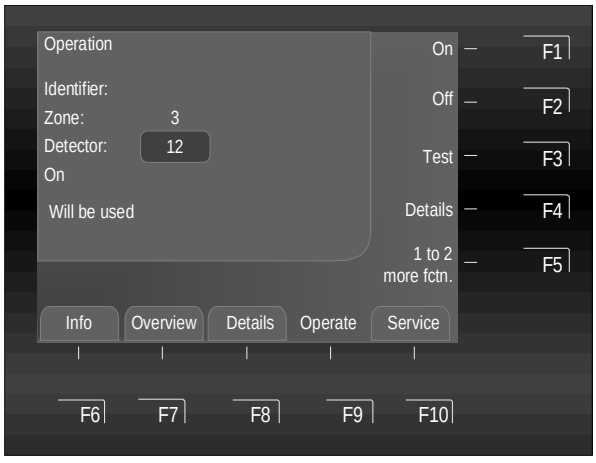


Fig. 54: Operation will be used

The performance of this operation will be briefly confirmed on the display with a text message.

The relevant detector is activated or reset through the activation process.

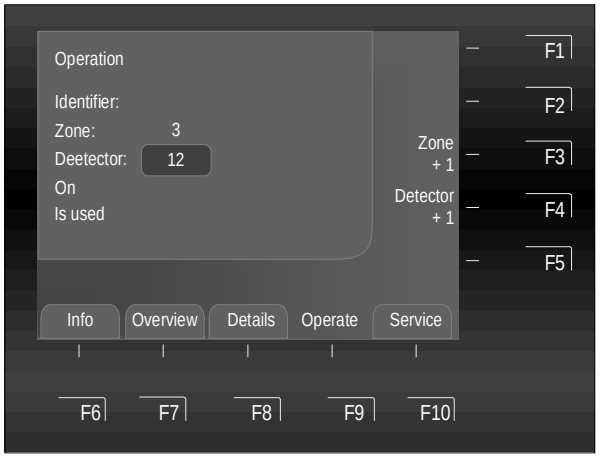
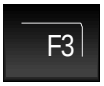


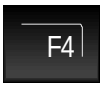
Fig. 55: Display showing the - activation of zone 3 - detector 12

The corresponding zone is activated and/or the activation process will reset any existing error or alarm messages.

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Zone +1 ➔ Zone number + 1



Detector +1 ➔ Detector number + 1

Using the "+1" function, such as upon activation/deactivation or in a service instance, several detectors can be operated one after the other without having to input the zone/detector number again.

Disable individual detectors

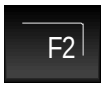
When deactivating a detector, the corresponding detector of a specific zone is disabled.

Fig. 56: Deactivation of zone 3-detector 12 (example)

Enter the zone ID using the keypad (e.g. no. 3)

Select the >Detector< input field using the cursor keys

Enter the detector ID using the keypad (e.g. no. 12)



Press F2 key ➔ Off

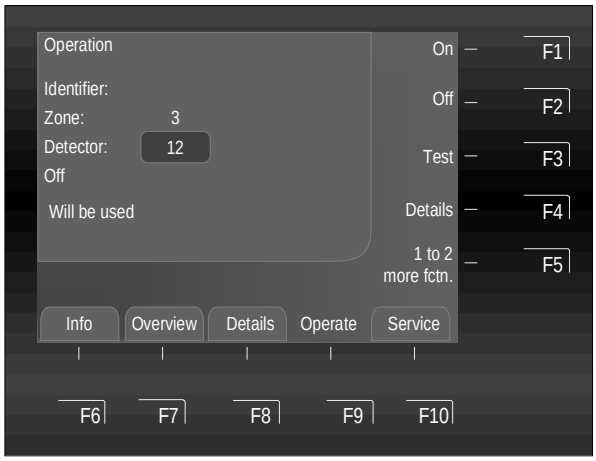


Fig. 57: Operation will be used

The performance of this operation will be briefly confirmed on the display with a text message.

The relevant detector is deactivated or reset through the activation process.

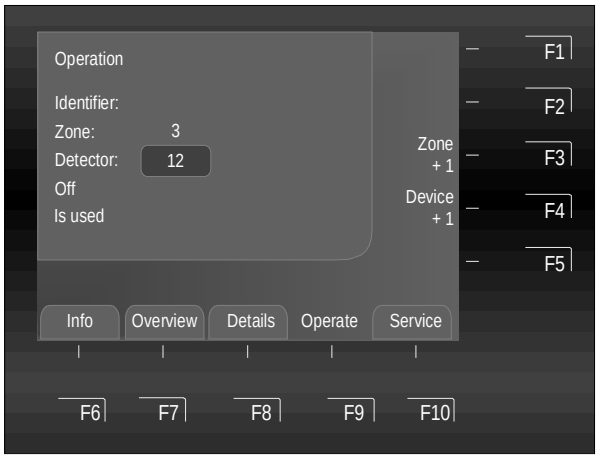
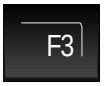


Fig. 58: Bestätigung - Abschaltung Gruppe 3 - Melder 12

The corresponding detector is disabled or the activation process will reset any existing error or alarm messages.

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Zone +1 ➔ Zone Number + 1

Detector +1 ➔ Detector Number + 1

Using the "+1" function, such as upon activation/deactivation or in a service instance, several detectors can be operated one after the other without having to input the zone/detector number again.

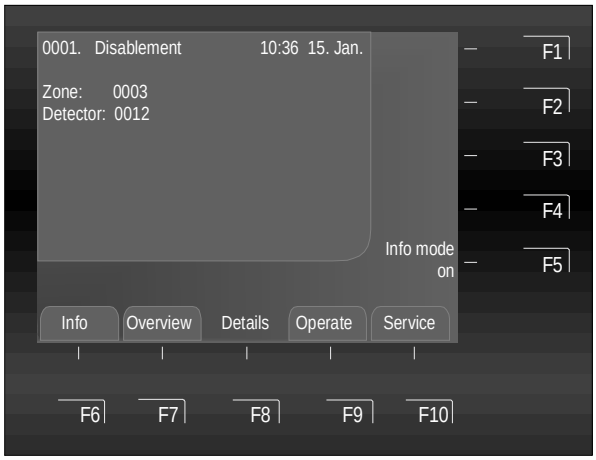


Fig. 59: Zone 3 detector 12 is deactivated

The disablement will be shown in the status display.

In addition to the plain text message in the display, the deactivation will also be optically indicated by the common display >Disablement< on the operating unit.

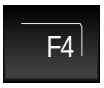
A deactivated detector cannot issue an alarm in case of an event!

Checking the status of individual detectors

This function can be used to check the current status, such as >Normal<, >Alarm< and >Fault<, of the relevant detector.

Fig. 60: Checking the status of detector 12, zone 3 (example)

Enter the zone ID using the keypad (e.g. no. 12)



Press F4 ➔ Status

The entry can be deleted using the >CLR< key

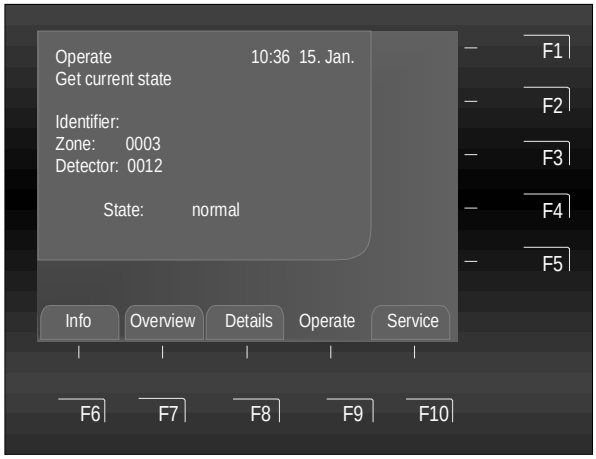


Fig. 61: Display showing the status of detector 12, zone 3

The display shows the status of the selected detector (normal, fault, deactivation etc.).

Switch back to the menu for the last operated zone (Zone 3 Detector 12 in the example).

Activate/deactivate a device sensor

This function allows sensors from individual detectors on a loop to be switched on/off. For information on sensors, see chapter 0.

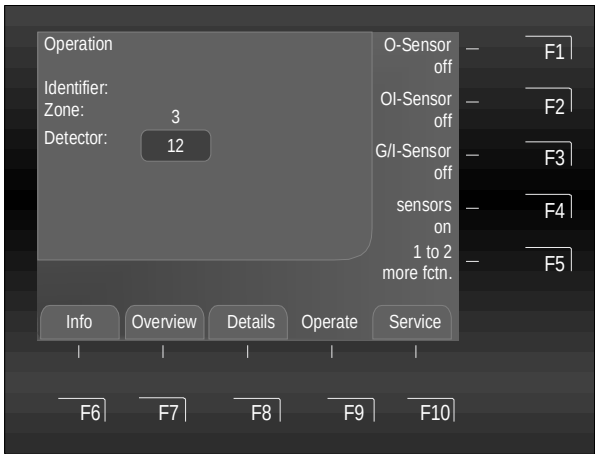
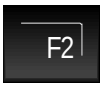


Abb. 62: Activate/deactivate Sensors (Detectors) (example)

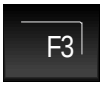
Enter the device ID using the keypad (e.g. no. 12)

Selecting the desired functions F1 - F4

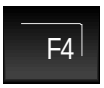
Press F1 key ➔ O-Sensor off



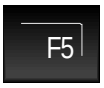
Press F2 key ➔ OI-Sensor off



Press F3 key ➔ G/I-Sensor off



Press F4 key ➔ sensors on



Press F5 key ➔ show / hide more functions (alternate function key)

Example sensor deactivation (Detector)

The >O-sensor off< command deactivates the sensor of the fire detector.

This deactivation can be reversed using the >Sensors on< command. The deactivated sensor can be reactivated.

6.5.3 Operation outputs

Activating / resetting outputs

Activation / resetting only reactivates outputs that were switched off. Outputs that are already active are unaffected by the activation / resetting. A output unit can - depending on the customer data programming - also consist of several individual output units.

Fig. 63: Activating/resetting output zone 22 (example)

Enter the control zone ID using the keypad (e.g. no. 22)

Press F1 key ➔ On

The entry can be deleted using the >CLR< key

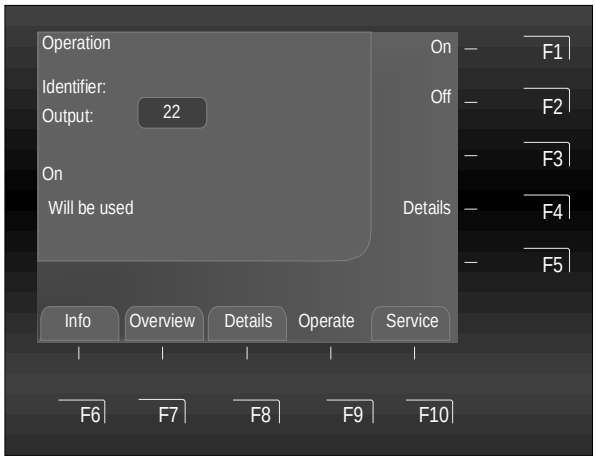


Fig. 64: Operation will be used

The performance of this operation will be briefly confirmed on the display with a text message.

The relevant control zone is activated or reset through the activation process.

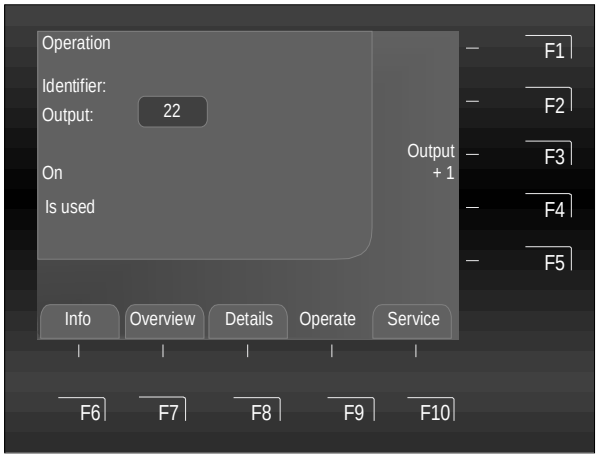
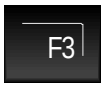


Fig. 65: Confirmation -Output 22 is activated

In the case of an event, the activated output will be addressed subject to the address conditions specified in the customer data.

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Output +1 ➔ The output number is increased by + 1.

Using the "+1" function, such as upon an activation/deactivation or in a service instance, several control units can be operated one after the other without having to input the control control unit ID again.

Wechsel zurück in das Menü.

Depending on the customer data programming, the activation of a output might also activate the master box (MB) and other external alarm devices for as long as the respective activation condition (e.g. fire) persists.

Deactivating outputs

Deactivation switches off the corresponding control or withdraws a previously issued activation. The state of >inversely< activated relays (activated in the normal state) is not changed by the deactivation. Depending on the type of control unit (opening or closing unit), another connected, external device might be activated.

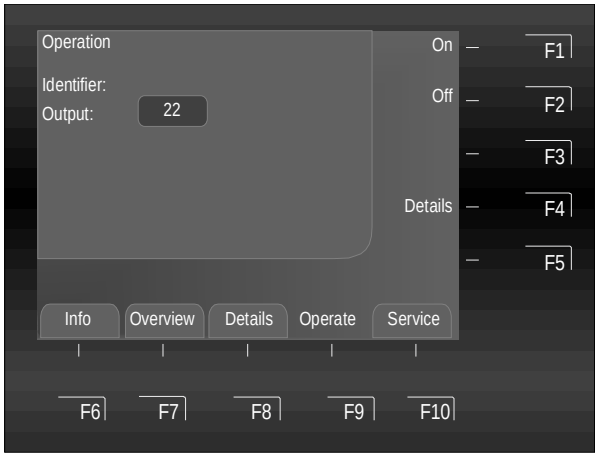
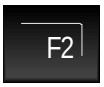


Fig. 66: Disablement of control zone 22 (example)

Enter the control zone ID using the keypad (e.g. no. 22)



Press F2 key ➔ Off

The entry can be deleted using the >CLR< key

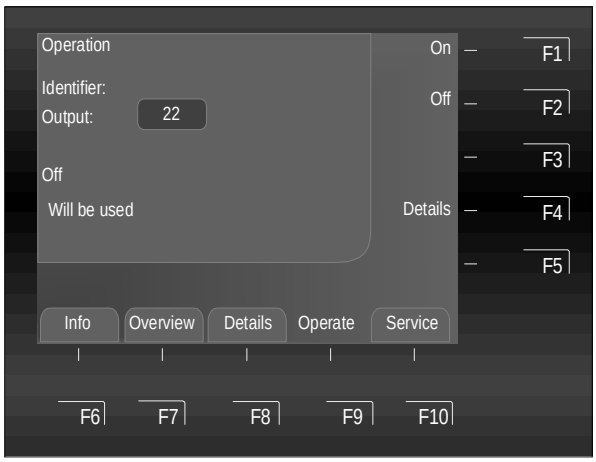


Fig. 67: Operation will be used

The performance of this operation will be briefly confirmed on the display with a text message.

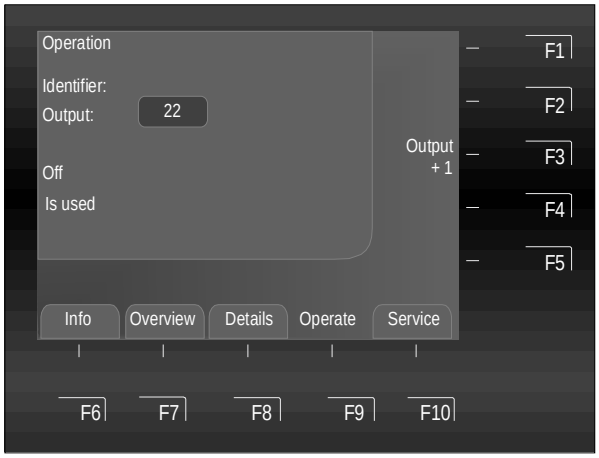


Fig. 68: Confirmation - deactivation of Output 22

The relevant output is deactivated.

After completing an operation, the menu will continue to be displayed so that further operations are possible.

Output +1 ➔ The output number is increased by + 1.

Using the "+1" function, such as upon activation/deactivation or in a service instance, several outputs can be operated one after the other without having to input the output number again.

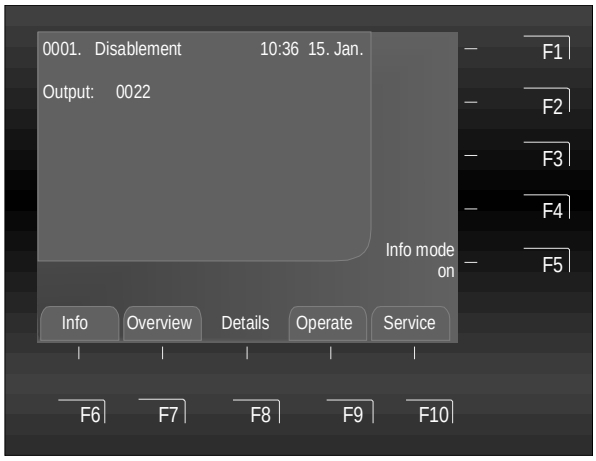


Fig. 69: Display showing the deactivation of output 22

The deactivation will be shown in the status display.

In addition to the plain text message in the display, the deactivation will also be optically indicated by the common display >Disablement< on the operating unit.

- In case of an event, a deactivated control zone will not be activated. Any alarm devices connected to this control zone will also no longer be activated!
- Access level 1 can only be used to switch off acoustic alarm devices by using the common disablement key >Acoustic off<!
- Access level 3 can be used to switch off the individual activation outputs of alarm devices!

Checking the details of a output

This function can be used to check the current state, such as >Normal<, >Activated< and >Fault<, of the relevant output.

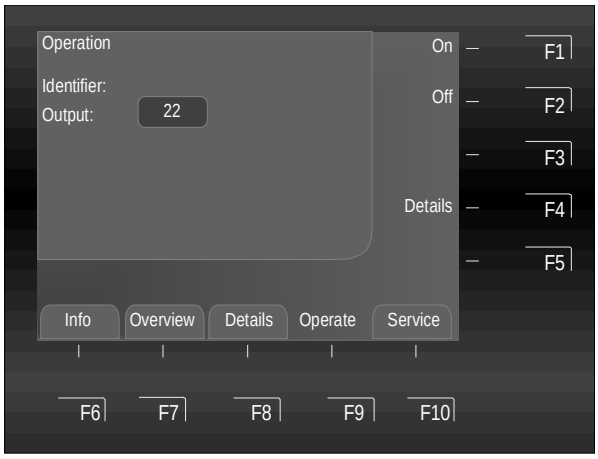
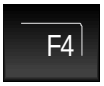


Fig. 70: Checking the details of control zone 22 (example)

Enter the control zone ID using the keypad (e.g. no. 22)



Press F4 key ➔ Details

The entry can be deleted using the >CLR< key.

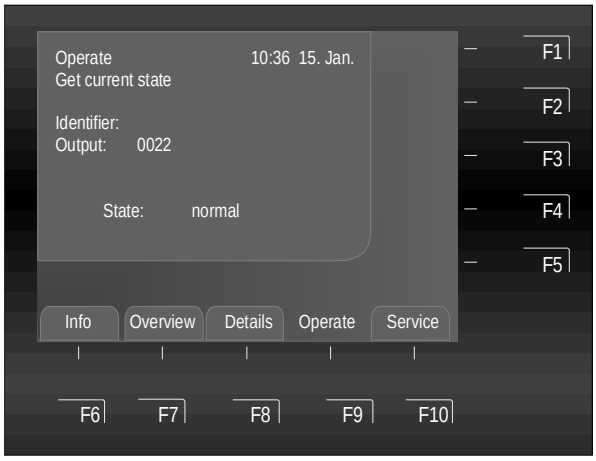


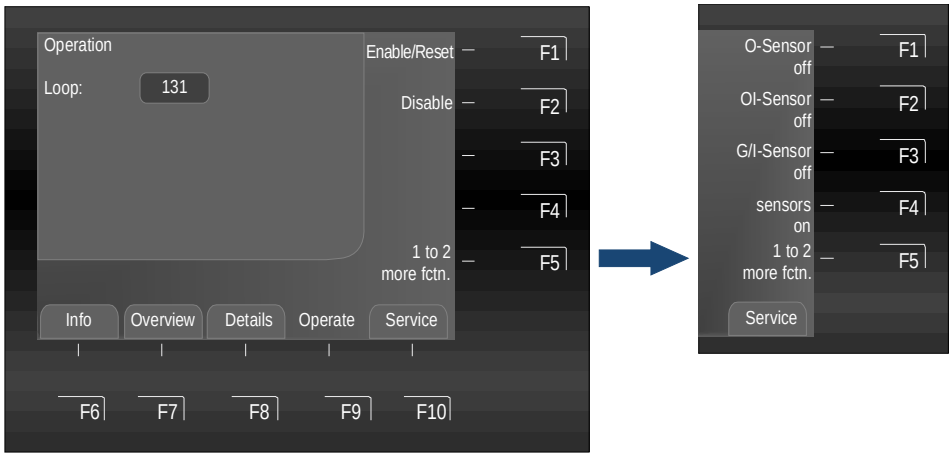
Fig. 71: Output 22 - Display showing current state

The display shows the status of the selected control zone (normal, activated, fault etc.).

Relays can be programmed in the fire alarm control panel's FlexES Control customer data using the >Inverse< function. These relays are active in normal state in the fire alarm control panel and change their switching status upon occurrence of their assigned event.

The state of >inversely< activated relays (activated in the normal state) is not changed by a deactivation.

6.5.4 Operation Loop



Press F5 key ➔ show / hide more functions (alternate function key)

Fig. 72: Function Menu 1 and 2

Activating / resetting loops

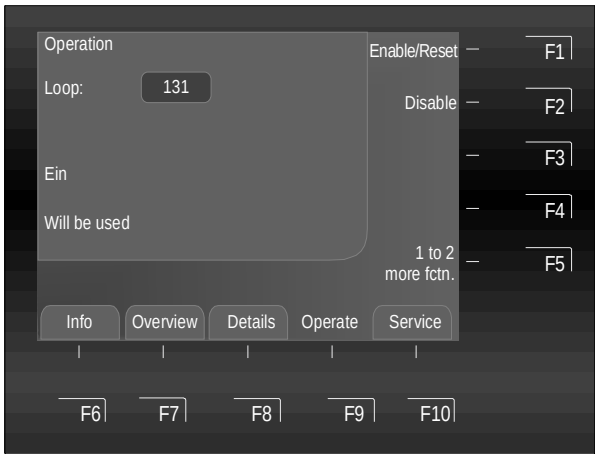
Activation / resetting only reactivates loops that were switched off.

Enter the Loop number ID using the keypad (e.g. no. 131)

Press F1 key ➔ Details

The entry can be deleted using the >CLR< key

Fig. 73: Loop 131 Activating / resetting (example)



The performance of this operation will be briefly confirmed on the display with a text message.

Fig. 74: Operation will be used

The relevant loop is activated or reset through the activation process.
In the case of an event, the activated loop will be addressed subject to the address conditions specified in the customer data.

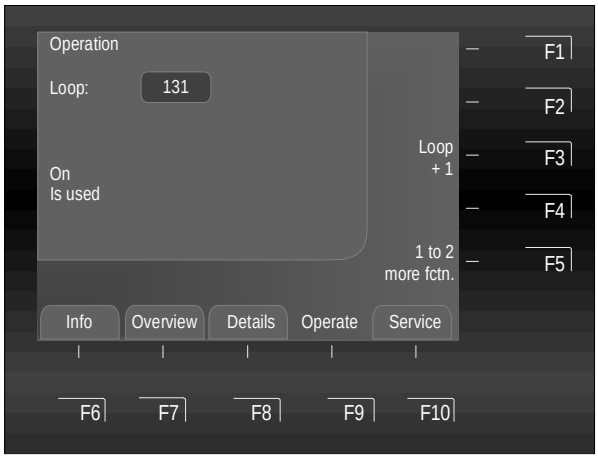
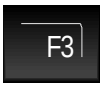


Fig. 75: Confirmation - Loop 131 is activated

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Loop +1 ➔ The displayed loop number is increased by + 1.

Using the "+1" function, such as upon activation/deactivation or in a service instance, several signal line can be operated one after the other without having to input the signal line ID again.

Depending on the customer data programming, the activation of a loop might also activate the master box (MB) and other external alarm devices for as long as the respective activation condition (e.g. fire) persists.

Deactivating loops

Deactivation switches off the corresponding loop or withdraws a previously issued activation.

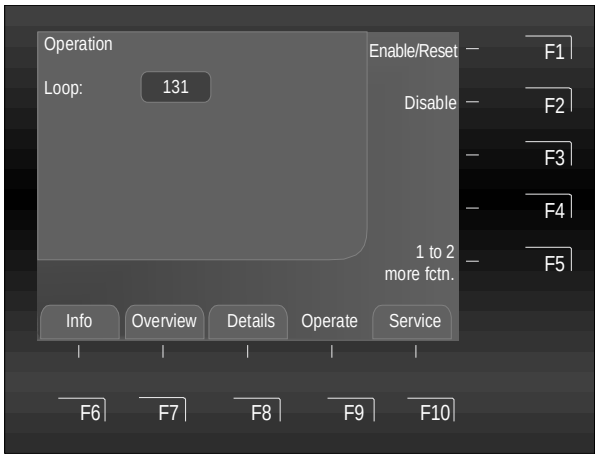
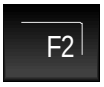


Fig. 76: Disablement of loop 131 (example)

Enter the loop ID using the keypad (e.g. no. 131)



Press F2 ➔ Off

The entry can be deleted using the >CLR< key

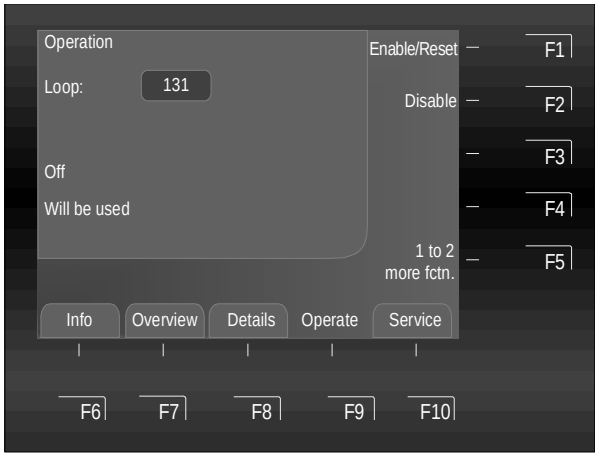


Fig. 77: Operation will be used

The performance of this operation will be briefly confirmed on the display with a text message.

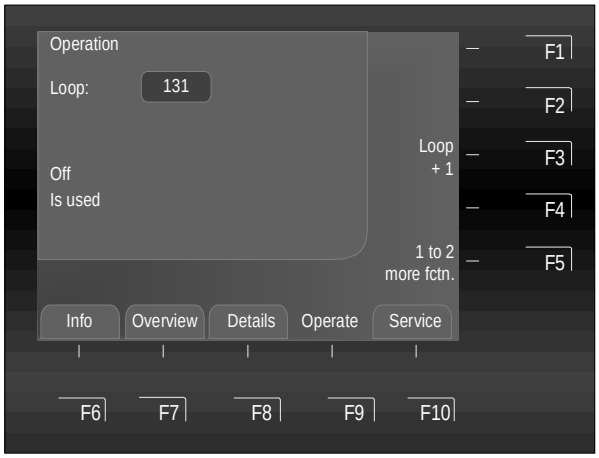
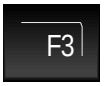


Fig. 78: Confirmation - deactivation loop 131

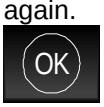
The relevant loop is deactivated.

After completing an operation, the menu will continue to be displayed so that further operations are possible.



Loop +1 ➔ The displayed loop number is increased by + 1.

Using the "+1" function, such as upon activation/deactivation or in a service instance, several signal loop can be operated one after the other without having to input the signal loop ID again.



Switch back to the menu.

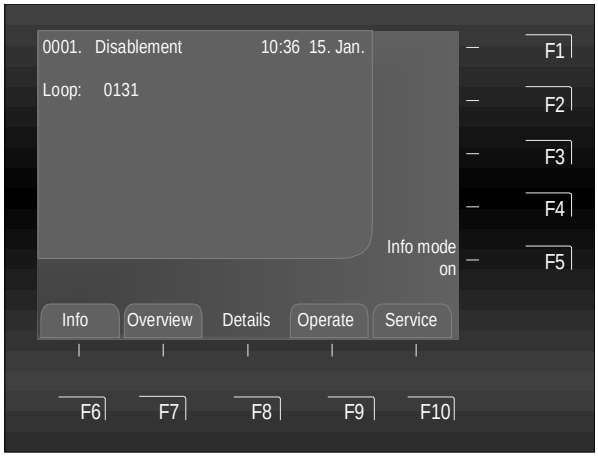


Fig. 79: Display showing the deactivation of loop 131

The deactivation will be shown in the status display.

In addition to the plain text message in the display, the deactivation will also be optically indicated by the common display >Disablement< on the operating unit.

Activate/deactivate Sensors (Loop)

Deactivating a loop will also deactivate all associated components such as the zones and detectors connected to a module or interfaces, etc.
For information on sensors, see chapter 0.

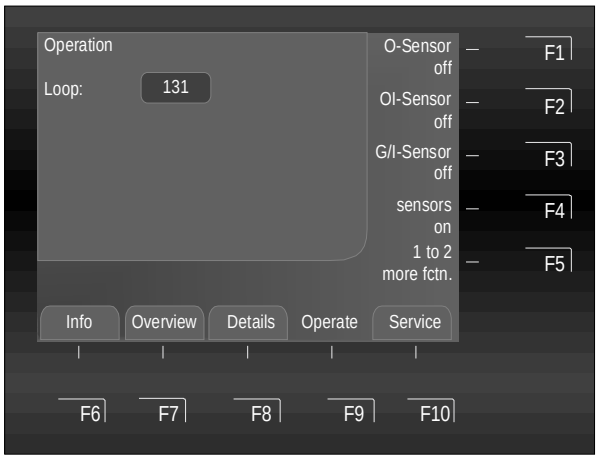
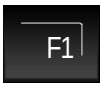


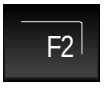
Fig. 80: Activate/deactivate Sensors (Loop) (example)

Loop number (e.g. No. 131) to be input using the keypad.

Selecting the desired functions F1 - F4

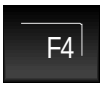


Press F1 key ➔ O-Sensor off

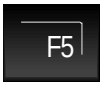


Press F2 key ➔ OI-Sensor off

Press F3 key ➔ G/I-Sensor off



Press F4 key ➔ sensors on



Press F5 key ➔ show / hide more functions (alternate function key)

Example sensor deactivation (loop)

In this example, an esserbus® loop is fitted with OH-fire detectors (smoke/heat detectors) and OHG fire detectors (smoke/heat/gas). The >O-sensor off< command deactivates all of the optical sensors (O-sensors) of the fire detectors on this esserbus® .

This deactivation can be reversed using the >Sensors on< command and all deactivated sensors on the esserbus® loop can be reactivated. Alternatively, the corresponding loop can also be activated/reset. Activating/resetting a communication path also automatically reactivates all deactivated components on this line.

In the case of an event, the deactivated loop will not issue an alarm!
Deactivated interfaces and controls will not relay any messages!

Fire alarm control panels that have already been installed and are fully operational may only be operated by fully authorised and trained persons, by taking adequate precautions and, where applicable, in consultation with the relevant emergency services (e.g. fire department).

Example fire alarm control panel FlexES Control (control panel ID 01)

The fire alarm control panel is a stand-alone control panel that can be used on its own or as one of many control panels integrated within an essernet®-network and has been allocated the ID 01. An essernet® network can comprise up to 31 interlinked individual fire alarm control panels (with IDs ranging from 01 to 31).

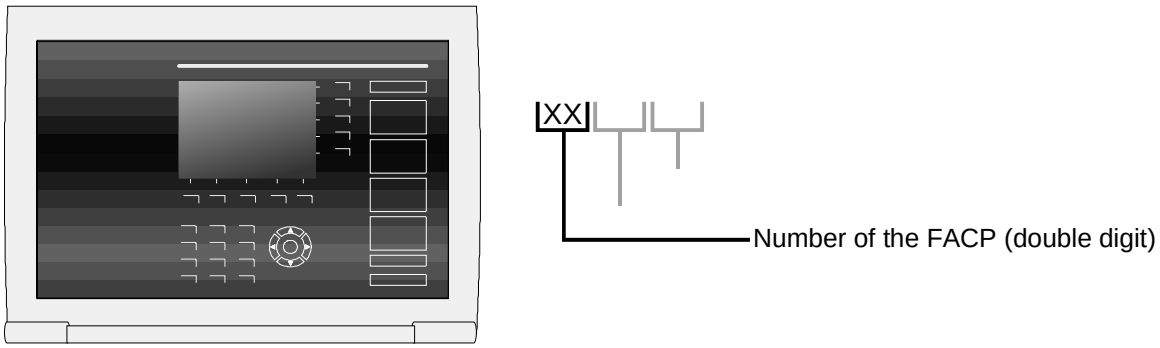


Fig. 81: Panel ID

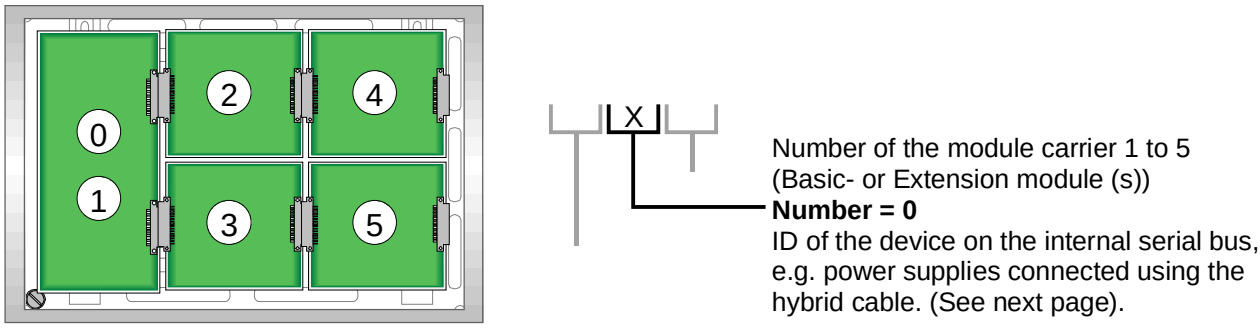


Fig. 82: Module carrier ID

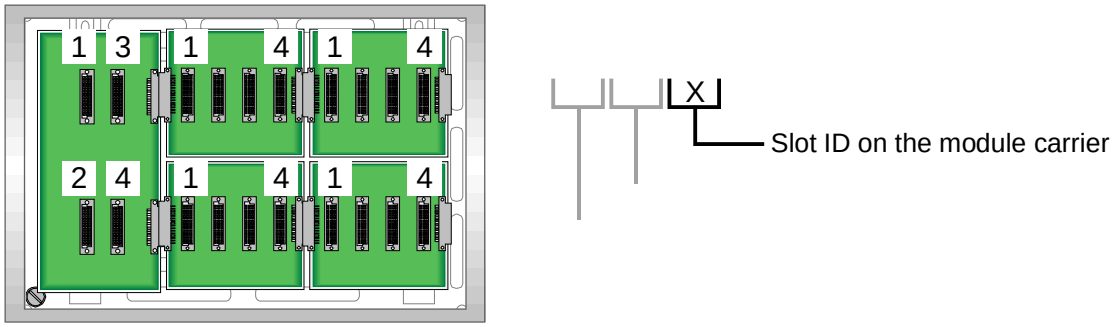


Fig. 83: Slot ID on the module carrier

The loop ID of the module in the following example is comprised of the fire alarm control panel ID **01**, the carrier module ID **2**, slot ID **3** , is **>0123<.**

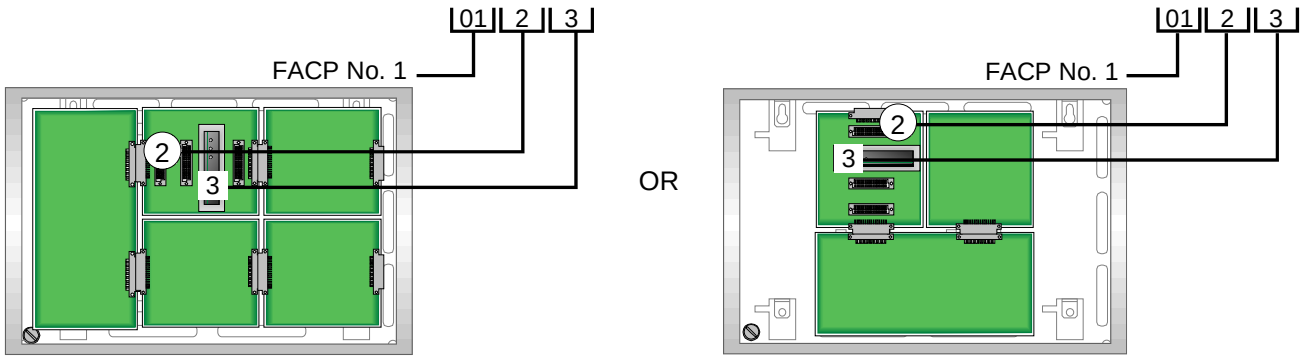


Fig. 84: Example definition of the communication path ID of the FACP FlexES Control (horizontal and vertical layout)

Option: Channel number

The channel number can be used to differentiate between other slot connection options, e.g.:

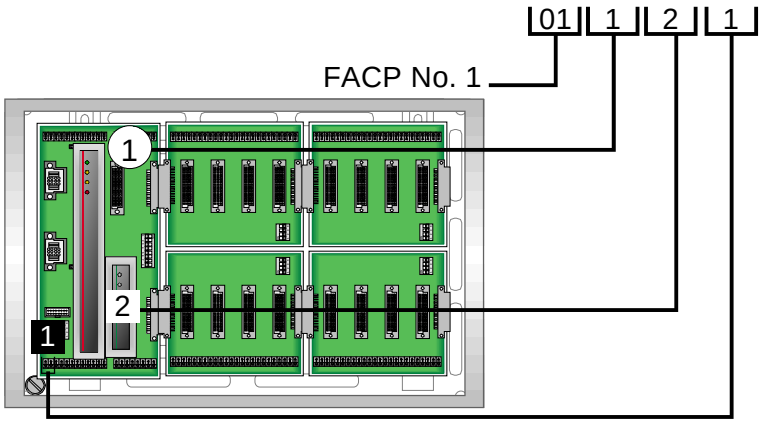


Fig. 85: Example interface 1 of the basic module carrier / control module

Example with Fire Alarm Control Panel No. 1

Path 0112 channel 1	➔	Interface 1 of the basic module carrier / control module (RS485-1)
Path 0112 channel 2	➔	Interface 2 of the basic module carrier / control module (RS485-2)
Path 0112 channel 3	➔	Interface 3 of the basic module carrier / control module (TTY)
Energy supply module(s)	➔	The primary loop numbers of the energy supply modules are dynamically assigned by the control panel based on the control panel layout. There are no statically assigned primary loop numbers.
Path 0111 / 0112	➔	Control module no. 1
Path 0113 / 0114	➔	Static assignment if the control module no. 2 is used (option for redundant operation). Otherwise, the primary loop number is assigned to the module that is connected to slot 0113 or 0114.

6.5.5 Customer operations

The FlexES Control fire alarm control panel supports the creation of customised operating menus with their own switching functions. This requires the programming of the menu items and the assignment of the desired switching functions in the customer data programming.

If no customer-specific operations have been programmed, menu item 4 >Customer operations< is displayed with the following message "No operation available".

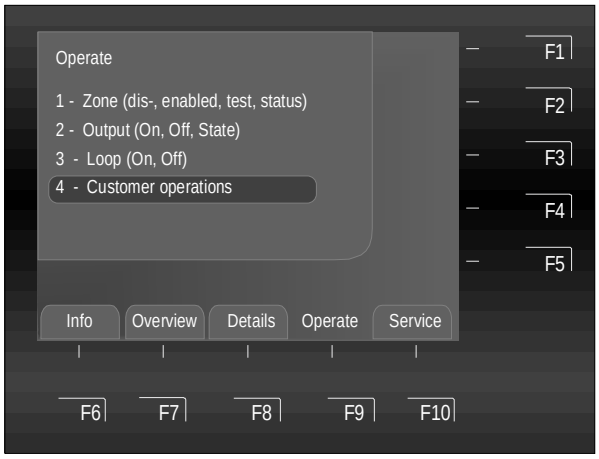


Fig. 86: Menu - Customer operations

Press key ➔ Operate

Select the >Customer operations< function in the Operate screen and run it with the >OK< key or select it using the keypad with by entering the number 4 ➔ the sub-menu is then opened directly.

The cursor keys  can be used to switch between the main menu /sub-menus.

If the >Customer operations< function has been programmed, the menu items, switching functions and the meaning can be input by the installation technician in the following table.

Menu item	Switching function	Explanation / meaning

6.6 Menu – Service

6.6.1 Language Selection

In the > Language Selection< menu, the language for the system texts in the display can be changed. The languages displayed can be selected.

It is not possible to change the language for the additional texts programmed in the customer data programming of the FACP (information texts, identifiers). These texts are always displayed in the language that has been input.

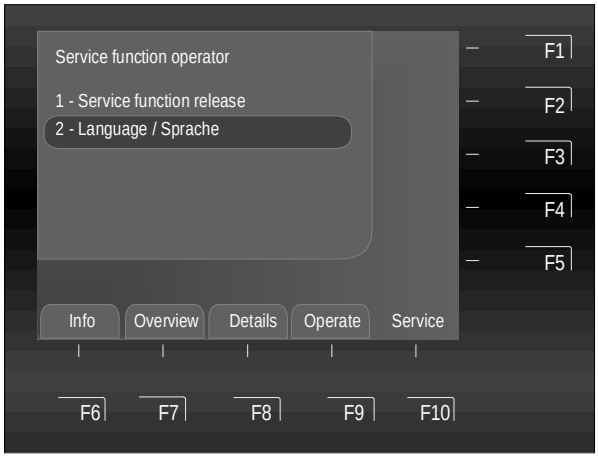


Fig. 87: Menu – Service / Language Selection

Press key ➔ Service

Select the >Language / Sprache< function in the Service Display and run it with the >OK< key or select it using the keypad by entering the number 2 ➔ the sub-menu is then opened directly.

The cursor keys  can be used to switch between the main menu /sub-menus.

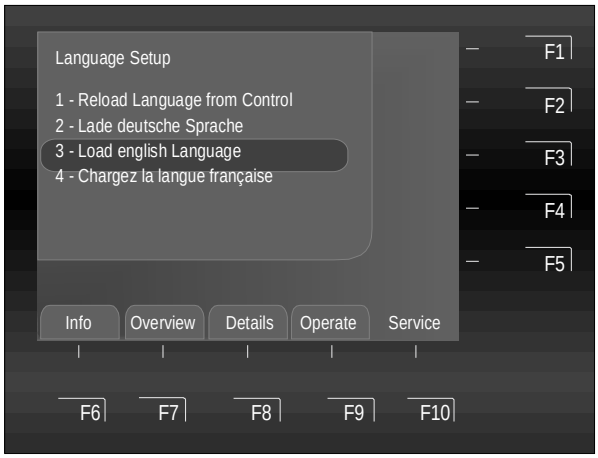


Fig. 88: Language Setup

Select the >Language Setup< function in the Service Display and run it with the >OK< key or select it using the keypad by entering a number 1 - 4 ➔ the sub-menu is then opened directly.

6.6.2 Service function release

This access level may only be used for operating and configuring the unit and for inputting data by specialist personnel.

Incorrect configuration / data inputs can impact the proper function of the fire alarm control panel.

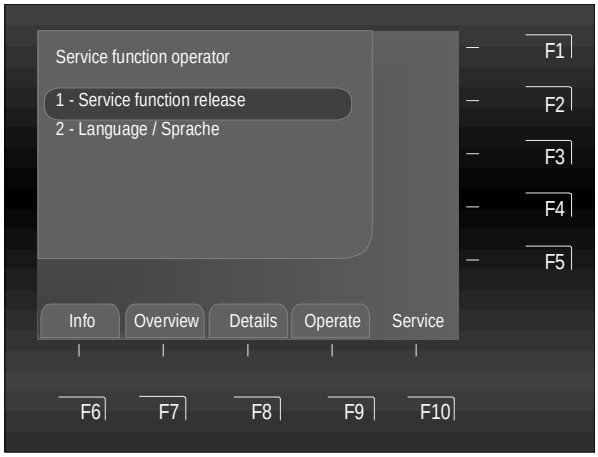


Fig. 89: Menu – Service / Service function release

F10 Press key ➔ Service function operator

Select the >Service function release< function in the Service screen and run it with the >OK< key or select it using the keypad by entering the number 1 ➔ the sub-menu is then opened directly.

The cursor keys can be used to switch between the main menu /sub-menus.

Fig. 90: Access level 3 (Service function release)

To enable, input the access code for specialist / customer service via the keypad.

Press OK key ➔ confirm

The range of operations and functions available at access level 3 (fire alarm specialist / customer service) are detailed in the Commissioning Instruction (Part No. 798982.GB0).

7 Identifier Function

The fire alarm control panel FlexES Control supports operation via the input of identifiers. An identifier consists of a max. of 18 alphanumeric characters and is specified in the customer data programming of the FACP. The fire alarm control panel can either by operated via identifiers or by inputting zone, detector and control zone numbers.

On fire alarm control panels where this identifier function is activated, this operating concept differs slightly by the functions described below.

In more extensive systems, the identifier function allows building identifiers (warehouse, main entrance, staircase etc.), for example, to be input as a description of the associated zone number. This function supports simple and fast operation, without the need to enter the individual zone numbers.

System requirement

System software: HMI: 1.03.R000

Programming software tools 8000: from V1.19 R000

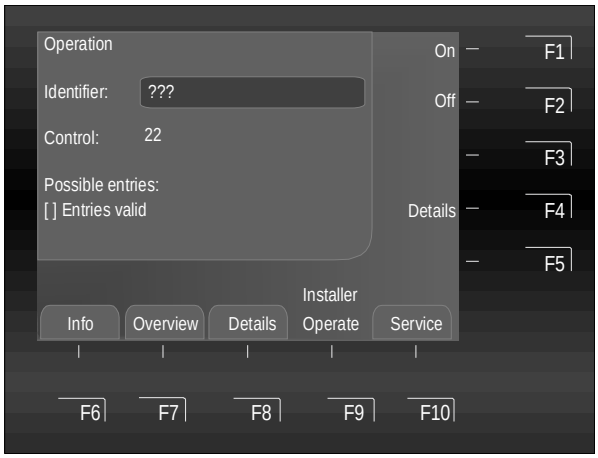
The identifier function is possible with a FlexES Control (stand-alone) fire alarm control panel or with networked FlexES Control fire alarm control panels with the corresponding programming. For systems networked via essernet®, the identifier function must be activated for all panels of the network.

Whilst panel start-up procedure the „Identifier“ is communicated within the essernet®. This will be indicated as “System Fault Identifier” at the operation panel and may take a few minutes relating to the system configuration.

If the identifier option is configured for a system the Display shows „Identifier ???“ if detector and control functions are operated.

Use cursor button to select and edit the Identifier.

If the selected detector is already assigned to an Identifier, this will be displayed directly instead of the question marks.



Edit Identifier

Confirm by pressing >OK<

Fig. 91: Identifier functionality

Identifiers for detector zones, detectors and control zones

The >identifier function< can be used for all detector zones, detectors and control zones. These can therefore be operated easily and directly. It is no longer required to input a zone/detector number or a control zone number. These numbers are uniquely assigned to an identifier.

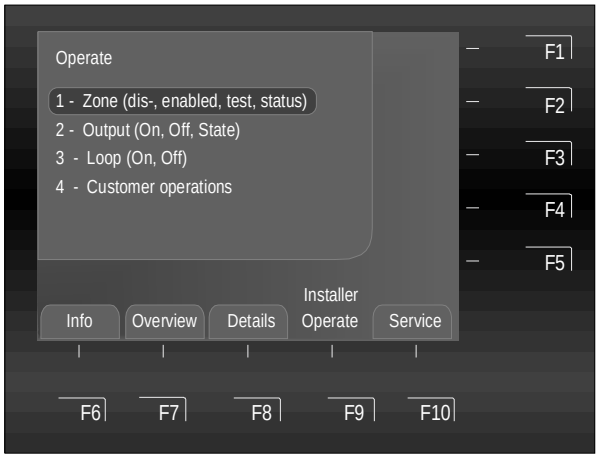


Fig. 92: Display screen >Operate<

Press key ➔ Operate

Select the >Zone Operate< function in the Operate screen and run it with the >OK< key or select it using the keypad by entering a number 1 - 4 ➔ the sub-menu is then opened directly.

The cursor keys  can be used to switch between the main menu /sub-menus.

Operation via "Identifier" is only possible in menu items 1 (Zone Operate) and 2 (Control Operation).

Example:

For detector zone 3, all connected fire detectors were programmed with the identifier "BUILDING….".

Using input "B", all identifiers starting with this letter are automatically searched through and a "suggestion list" of possible inputs is displayed.
These suggestions include further sub-identifiers such as "F" for floor or "A" for acoustic alarm devices in this building and/or values for the zone/detector numbers.

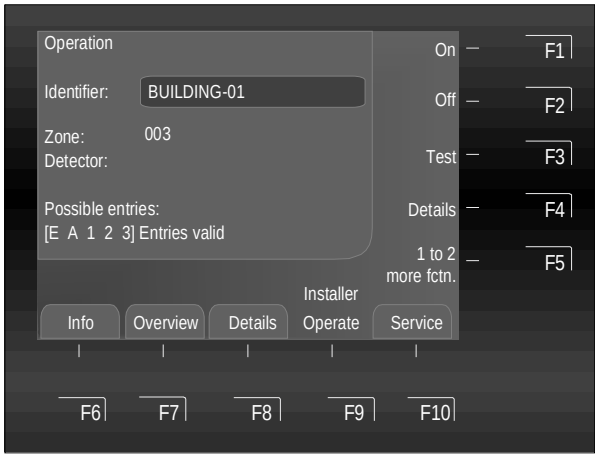
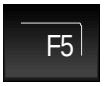


Fig. 93: Zone 3 with Identifier „BUILDING….“

Input the desired starting characters/letters of the identifier.

Confirm by pressing >OK<



Press F5 key ➔ for additional functions

If >input valid < appears, the identifier is complete, and you can possibly call up further numbers / letters with the  key.
Only then do the corresponding values of the zone / detector appear.

Fig. 94: Keypad / number entry

The keypad can be used to enter both numbers and letters.

Depending on the items shown on the display screen, functions can be selected directly by inputting the associated numbers / letters.

ESC = Cancel a function

CLR = Delete the last entry

0 = The 0 key can be used to enter characters . and - .

The following numbers / letters (only uppercase) can be input via the keypad:

1 2 3 4 5 6 7 8 9 0 . -
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

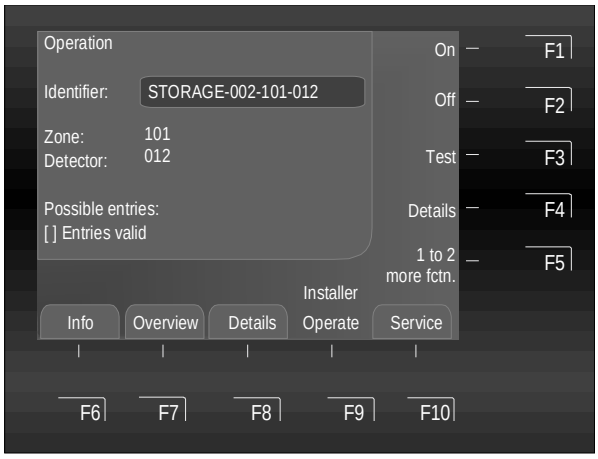
Input example: BUILDING-01

[Key 2] ➔ 3x ➔ B
[Key 8] ➔ 3x ➔ U
[Key 4] ➔ 4x ➔ I
[Key 5] ➔ 4x ➔ L
[Key 3] ➔ 2x ➔ D
[Key 4] ➔ 4x ➔ I
[Key 6] ➔ 3x ➔ N
[Key 4] ➔ 2x ➔ G
[Key 0] ➔ 3x ➔ -
[Key 0] ➔ 1x ➔ 0
[Key 1] ➔ 1x ➔ 1

Example:
Operation of detector zones (via identifier input)

Enter the first letter of the desired zone identification in the field >Identifier<. The possible inputs are searched through using the filed identifiers in the FACP and completed.

If an identifier cannot be completed automatically because, for example, several different zone numbers or detector numbers still exist, then the possible inputs available to complete the identifier are listed for selection.



Input the desired starting characters/letters of the identifier.

Confirm by pressing >OK<

Press F5 key➔ for additional functions

Fig. 95: Operation of zones/detector zones via the identifier function

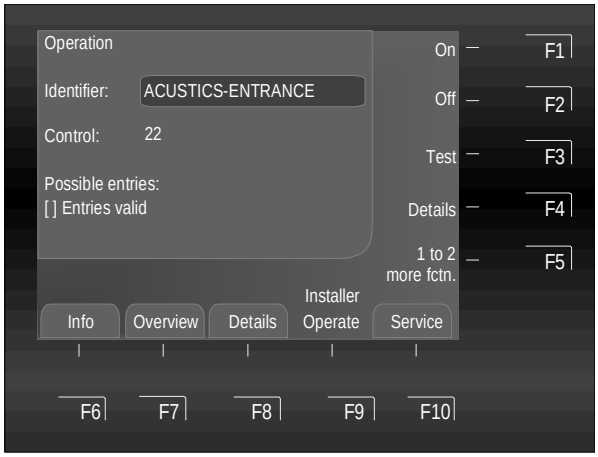
Detector-related functions apply only to addressable fire detectors of the IQ8Quad series.

Example:

Operation of controls (via identifier input)

Enter the first letter of the desired control in the field >Identifier<. The possible inputs are searched through using the filed identifiers in the FACP and completed.

If an identifier cannot be completed automatically because, for example, several different control zone numbers exist, then the possible inputs available to complete the identifier are listed for selection.



Input the desired starting characters/letters of the identifier.

Confirm by pressing >OK<

Fig. 96: Operation of controls via the identifier function

In this example, the identifier >ACUSTICS-ENTRANCE< was used to select the associated control no. 22.

Notes

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