

Operating panel Integral MAP

User manual

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1 General



Schrack Seconet security systems are developed in Austria, produced in Germany and incorporate both state-of-the-art technology and the latest scientific developments, while meeting all the latest applicable standards (European standards, requirements of European testing and certification bodies etc.). Schrack Seconet frequently cooperates with technical universities and international companies, as well as with testing and certification bodies, fire prevention bodies and fire brigade associations, so that products can be constantly optimized and adapted to meet new demands.



The high quality of Schrack Seconet products is ensured using an ISO 9001 approved Quality Assurance system throughout the company's activities (from development through production and sales processes through installation to customer service).

Considerable attention is paid in the development of products towards the separation of materials used, reusability, disposal and recycling to ensure that materials were processed in an environmentally sound way as possible.

1.1 To this document

The following operating instructions describe the standard functions and operating processes, which can be carried out using the operating panel MAP on the Integral alarm control panels. The different functions can vary depending on customer-specific programming and the version of the software used.

These descriptions and technical specifications correspond to the status as of the date of publication. Schrack Seconet reserves the right to make modifications, in particularly where they are justified as a result of technological progress. In the course of continual development, the products delivered may differ optically from shown products. Information which is not contained in this document can be requested at any time from one of our offices.

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The original of this document was written in German. Foreign-language documents are released and modified with the German version. In the case of deviations in the foreign-language document, the German version of this document is the approved reference document.

1.1.1 Explanation of symbols

Important notes in this document are identified by the following symbols. Failure to observe these notes may result in malfunction of the security systems or in property or personal injury.



NOTE

Contains notes to help you use the product or system more effectively and easily. Usage is optional.



CAUTION

Indicates a danger, the non-observance of which may result in financial loss or damage to property.



ENVIRONMENTAL NOTICE

Electrical/electronic devices and batteries/rechargeable batteries

Electrical and electronic devices as well as batteries or rechargeable batteries may not be disposed of in household rubbish. As the end user, you are legally obliged to return them. Used electrical and electronic devices as well as batteries or rechargeable batteries should be returned free of charge after use to the vendor or to the designated places for returning them (e.g. communal collection points or in shops). Proper disposal of the devices will relieve the burden on the environment. For more detailed information please contact your waste disposal center.

2 General safety notes

The development of security systems as well as the installation, commissioning and maintenance of products and the systems which they form required specialist expert knowledge, and therefore may only be undertaken by specially trained experts. The product-specific training of staff members must be carried out by Schrack Seconet or by skilled personnel who have been specifically authorised to carry out this duty by Schrack Seconet.

Schrack Seconet explicitly state, that security systems must be periodically maintained by certified and qualified personnel in accordance with the relevant standards (such as ÖNORM F 3070, DIN 14675, EN 16763), in order to maintain the functional and protective scope in the long term. For servicing and maintenance work on safety-related systems, the currently valid regulations of the country in which the system is being operated shall apply.

In addition, the relevant country-specific regulations and guidelines for the planning, installation, service and maintenance must be adhered to and complied with. Damage and consequential damage caused by interventions or changes to products and their improper handling are excluded from liability. The same is also true for inappropriate storage of items and other detrimental external factors.

If extinguishing systems or other critical fire incident control systems are automatically controlled via a fire alarm control panel, then electrical, mechanical and optical measures must be taken when carrying out servicing and maintenance work, to ensure that the outputs cannot be accidentally triggered. Once the servicing or maintenance activities have been finished, the security precautions must once again be removed!

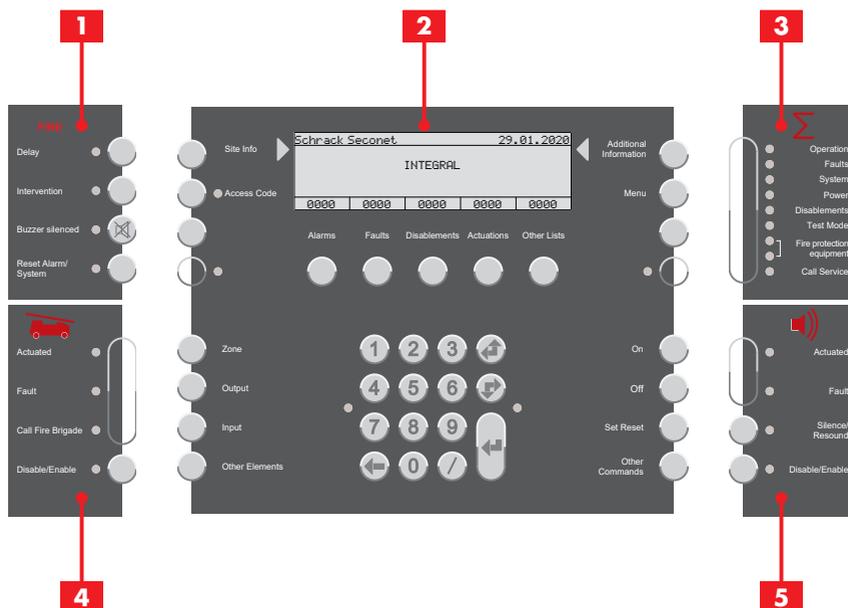
Please note the country-specific operator obligations on the duty to keep a log book. Where required, all implemented operating processes must be recorded in the log book after completion.

3 Overview

The Integral MAP indication and operating panel is used for operating and indication of the Schrack Seconet Integral fire alarm control panels.

From this panel, it is possible to send commands to the system, as well as to display the system status of all devices. The operating panel is either built into the fire alarm control panel's door, or housed in a separate case.

The descriptions of the buttons and functions are broken down into five categories.



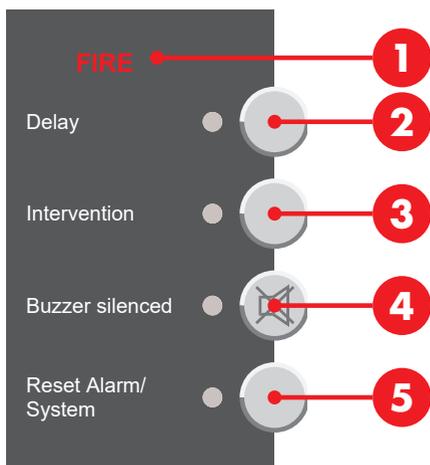
- 1** Buttons and LED in the event of an alarm ([Chapter Buttons and LED in the event of an alarm, Page 8](#))
- 2** Display and buttons for operation ([Chapter Display and buttons in operation region, Page 10](#))
- 3** Operational status and fault indication ([Chapter Operational status and fault indication, Page 13](#))
- 4** Buttons and LED for transmission equipment (main detectors) ([Chapter Buttons and LED for transmission equipment \(main detectors\), Page 14](#))
- 5** Buttons and LED for alarm systems (sirens) ([Chapter Buttons and LED for alarm systems \(sirens\), Page 15](#))

3.1 Acoustic signals

Every Integral MAP uses five different acoustic modes:

Alarm signal	100 ms, 3 kHz – 100 ms, silence
Fault signal	800 Hz continuous tone
Signal of acknowledgement time	140 ms, 800 Hz – 140 ms, silence
Signal of intervention period	4 × (60 ms, 800 Hz – 60 ms, silence) – 400 ms, silence
Indication test	300 ms, 3 kHz – 300 ms, 800 Hz

3.2 Buttons and LED in the event of an alarm



3.2.1 Fire alarm

A fire alarm is indicated visually and acoustically: The **FIRE** **1** indication flashes, the alarm signal sounds and the detector zone, detector number and the number of alarms that have been received are displayed on the operating panel display.

Further Information: [Chapter Fire alarm, Page 16](#)

3.2.2 Delay layer

(Depends on programming)

Pressing the button **Delay** **2** activates or deactivates the delay layer function. If a delay layer is activated (day/presence programme), the LED lights up. If all delay layer are deactivated (night/absence programme), the LED is off.

Further Information: [Chapter Delay layer, Page 16](#)

3.2.3 Exploration/intervention function

(Depends on programming; delay function must be activated)

If an alarm is received with the delay layer activated, the beep acknowledgement time sounds and the LED next to the button **Intervention** ③ flashes. Pressing the button **Intervention** ③ within the acknowledgement time activates the intervention/intervention mode. The LED next to the button lights up and the signal tone changes from acknowledgement time to intervention/intervention mode. The activation of the main detector output is delayed by the programmed intervention time.

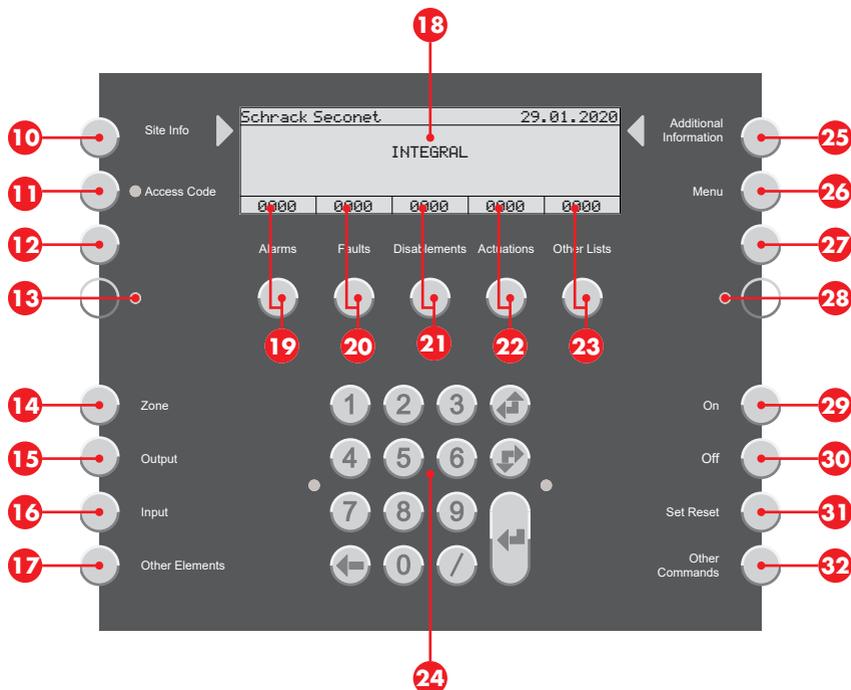
Pressing and holding the button **Intervention** ③ within the intervention time shows the remaining intervention time on the display.

Further Information: [Chapter Activate exploration/intervention function, Page 17](#)

3.2.4 Reset alarm/fault signal

Pressing the button **Buzzer silenced** ④ disables the signal tone of an active alarm or fault message in the fire alarm control panel; the LED remain lit up. Any additional alarm or fault message will trigger the alarm and fault signal tones again. Acknowledgement and intervention signal tones cannot be reset.

3.3 Display and buttons in operation region



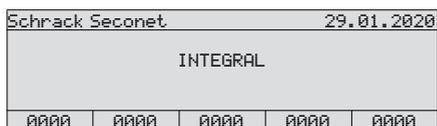
3.3.1 Displays and lists

(Depends on programming and authorisation level)

NOTE

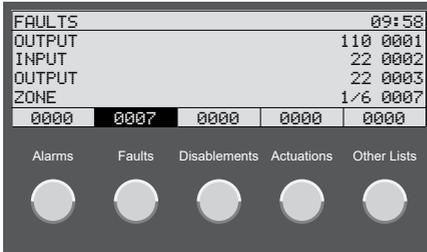
Lists on the display **18** displayed in accordance with EN 54-2. The lists on the display vary depending on the programming, authorisation level or software version.

3.3.1.1 Display in idle mode



In an idle mode (standard indication), the display shows product and customer information. The list counters are set to 0.

3.3.1.2 Display in list mode



If a list contains entries, the relevant display is shown inversely and the number of entries is indicated. Pressing the corresponding button **19** – **23** shows the entries in the list. If no button is pressed for a prolonged period of time, then the display automatically reverts to the list with the highest priority (e.g. alarms). Further Information: [Chapter Alarms, faults and additional lists, Page 19](#)

3.3.1.3 Display in element operation

Pressing on of the buttons **14** – **17** selects a list with the individual elements types (depending on programming and authorisation level). Entering the number of an element will show the element's status.

ELEMENT OPERATING				
ZONE	101			
IDLE				
0000	0000	0000	0000	0001

The LED on the right next to the numerical keypad flashes when other commands can be selected for the element (depending on the authorisation level).

3.3.1.4 Display with additional information

Pressing the button **Additional Information** **25** displays additional information.

ADDITIONAL INFO				
ZONE	103			
AUTOM-DETECTOR	OFF			
29.01.2020 04:30				
0000	0000	0001	0000	0001

3.3.1.5 Display with site information

Pressing the button **Site Info** **10** displays site information.

Site information for a detector

SITE INFO				
ZONE	103/1			
CUSTOMER TEXT FOR DETECTOR 103/1				
E.G. BUILDING, ROOM				
0000	0000	0001	0000	0001

Site information for a detector zone

SITE INFO				
ZONE		103		
CUSTOMER TEXT FOR ZONE 103 E. G. BUILDING, ROOM				
0000	0000	0001	0000	0001

3.3.2 Numerical keypad and navigation buttons

Numerical keypad and navigation buttons **24** for entering values and navigation.

Enter elements numbers or other values using the numerical buttons of the keypad.

Structured entry: Separate element numbers with a slash / for example detector zone and detector (4/1).

Scroll button  for selecting the previous list entry (scroll up in the list). Scroll button  for selecting the next list entry (scroll down in the list).

Delete button  for deleting the previous character.

Entry button  for confirming an entry.

3.3.3 Information and menu

3.3.3.1 Site information

Pressing the button **Site Info** **10** displays site information.

Site information can be called up for each element when in list view or element view. A customer-specific programmed text is displayed, e.g. 1ST FLOOR, CONFERENCE ROOM, ROOM 25.

3.3.3.2 Additional information

Pressing the button **Additional Information** **25** displays additional information.

In list view or element view, additional information can be called up for each element, e.g. detector zone, detector number, date and time or in case of an event, e.g. alarm, fault, disablement or actuation.

3.3.3.3 Authorisation

Pressing the button **Access Code** **11** enables entering the access code for a higher authorisation level. The LED next to the button lights up, as soon as a level higher than access level 1 is entered. Further Information: [Chapter Operation release \(authorisation levels\), Page 22](#)

3.3.3.4 Menu

Pressing the button **Menu** **26** opens the menu for additional options. Available functions depend on programming and the authorisation level. Further Information: [Chapter Menu functions, Page 26](#)

3.3.3.5 Freely programmable buttons and LED

(Depends on software version)

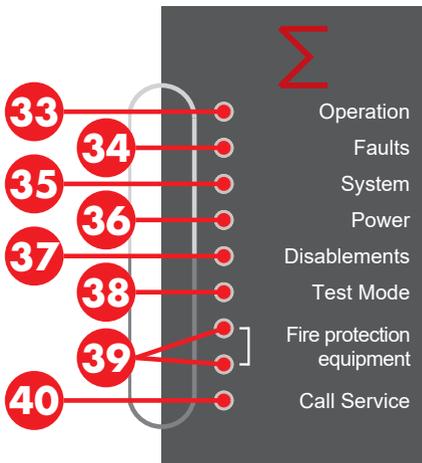
There are buttons **12**, **27**, and LEDs **13**, **28**, which can be freely programmed and labelled on the operating panel as customers wish. Fire protection equipment feedback must be parameterised at the LED **28** according to EN 54-2 chapter 7.10.3.

3.3.4 Element states and operation

Element states and additional information can be called up in two different ways:

- Calling up the element either via the element number or the element type (buttons **14** – **17**) ([Chapter Select elements and querying element states, Page 21](#))
- Calling up the state and information of an element in a list ([Chapter Alarms, faults and additional lists, Page 19](#))

3.4 Operational status and fault indication



The **Operation** **33** LED indicates the system's current operating status. The LED is not lit in case of power failure, control panel failure and deactivated control panel acoustics.

The **Faults** **34** LED flashes, if there is a fault. The LED lights up if there is a control panel failure. Further Information: [Chapter Fault messages, Page 20](#)

The **System** **35** LED flashes in addition to the faults LED **34**, if there is a module fault. The LED lights up if there is a control panel failure. Further Information: [Chapter Fault messages, Page 20](#)

The **Power** **36** LED flashes in addition to the faults LED **34**, if a fault with the emergency power supply either a mains fault (power failure) or a battery fault (battery defective) is detected. Further Information: [Chapter Fault messages, Page 20](#)

The **Disabilities** **21** LED lights up, if at least one system element is disabled.

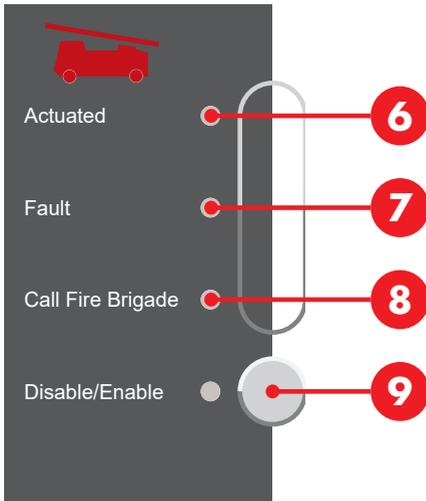
The **Test Mode** ³⁸ LED lights up, if at least one system element is switched into test mode (revision mode).

The **Fire protection equipment** ³⁹ LED (top) lights up, if an item of fire protection equipment has been triggered and controlled. The **Fire protection equipment** ³⁹ LED (bottom) lights up, if an item of fire protection equipment has a fault.

The **Call Service** ⁴⁰ LED lights up, if maintenance work on the control panel is required to be carried out urgently. Call service department/customer service immediately ([Chapter Warnings list, Page 20](#)).

3.5 Buttons and LED for transmission equipment (main detectors)

The transmission equipment (in accordance with EN 54-1) is responsible for producing a connection between the fire alarm system and the alarm receiver unit of a location offering assistance. Generally, there is a main detector, via which the fire alarm system is connected to the fire brigade or a security service by means of a dedicated line.



The **Actuated** ⁶ LED flashes, if the transmission equipment is activated, i.e. if a location offering assistance has already been called.

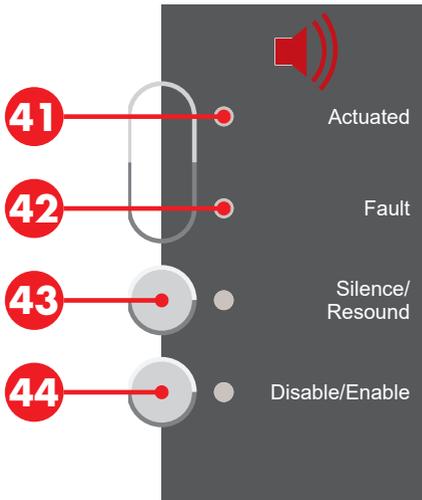
The **Fault** ⁷ LED flashes, if there a fault in the transmission equipment's controller.

The **Call Fire Brigade** ⁸ LED lights up, if the fire brigade can not be contacted in the event of an alarm (no transmission system is activated, or the system is faulty or disabled).

Pressing the button **Disable/Enable** ⁹ turns the transmission equipment's controller on/off alternately. The **Disable/Enable** ³⁷ LED next to the button lights up, if the transmission equipment is disabled.

3.6 Buttons and LED for alarm systems (sirens)

The alarm systems consist of acoustic and visual alarm devices, which are used to raise the alarm that there is a fire. These devices are controlled by the fire alarm control panel.



The LED **Actuated** ⁴¹ flashes, if the alarm systems are activated (sirens sound).

The **Fault** ⁴² LED flashes, if there is a fault in the alarm system's controller.

Pressing the button **Silence/Resound** ⁴³ resets activated sirens (mutes them), but these are reactivated together with the arrival of the next alarm. LED lights up, if the sirens were reset.

Pressing the button **Disable/Enable** ⁴⁴ switches off the main siren and all other sirens and alarm areas. The LED next to the button and the ³⁷ LED lights up, if the alarm systems are disabled. The sirens are not activated, even not in case of an occurring alarm.

4 System operation in the event of an alarm



NOTE

Duty to keep log book

Please note the country-specific operator obligations on the duty to keep a log book. Where required, all implemented operating processes must be recorded in the log book after completion.

4.1 Fire alarm

A fire alarm is indicated visually and acoustically: The **FIRE 1** indication flashes, the alarm signal sounds and the detector zone, detector number and the number of alarms that have been received are displayed on the operating panel display.

The **Intervention 3** LED flashes and the signal tone for the acknowledgement time sounds ([Chapter Acoustic signals, Page 8](#)). If the **Intervention 3** button is not pressed within the acknowledgement time (depends on programming, usually 30 seconds), then the main detector output is automatically activated and the alarm forwarded to a location offering assistance.

4.2 Delay layer

(Depends on programming)

Pressing the button **Delay 2** activates or deactivates the delay layer function. If a delay layer is activated (day/presence programme), the LED lights up. If all delay layer are deactivated (night/absence programme), the LED is off.

Various functions can be programmed for delay layers, such as automatic or time-dependent activation/deactivation or function switching. The delay layer must be activated for the intervention/intervention mode.

4.3 Activate exploration/intervention function

(Depends on programming)



NOTE

The intervention function is only permissible for detector zones with smoke detectors. Alarm messages generated by the heat and flame detector as well as the manual call point trigger the transmission system without delay and are immediately forwarded to the emergency services.

For the intervention/intervention mode, the delay layer (day/presence programme) must be activated. Further Information: [Chapter Delay layer, Page 16](#)

If an alarm is received with the delay layer activated, the beep acknowledgement time sounds and the LED next to the button **Intervention** 3 flashes. Pressing the button **Intervention** 3 within the acknowledgement time activates the intervention/intervention mode. The LED next to the button lights up and the signal tone changes from acknowledgement time to intervention/intervention mode. The activation of the main detector output is delayed by the programmed intervention time.

Pressing and holding the button **Intervention** 3 within the intervention time shows the remaining intervention time on the display.

With this intervention time (approx. three to five minutes depending on the programming of the system) the cause of the alarm can be ascertained. In the event of false or deceptive alarm the alarm can be reset. After the intervention time has lapsed, and depending as soon as a second detector actuates an alarm, then the alarm is forwarded to an assistance organisation.



CAUTION

Confirmed fire alarm

If a fire is actually discovered during intervention period, the fire brigade has to be notified immediately. The manual call point can be used for immediate alarm notification.

4.4 Reset alarm/fault signal

Pressing the button **Buzzer silenced** 4 disables the signal tone of an active alarm or fault message in the fire alarm control panel; the LED remain lit up. Any additional alarm or fault message will trigger the alarm and fault signal tones again. Acknowledgement and intervention signal tones cannot be reset.

4.5 Reset (mute) or disable sirens

Only use this function when the building has been completely cleared.

Pressing the button **Silence/ Resound**  resets activated sirens (mutes them), but these are reactivated together with the arrival of the next alarm. LED lights up, if the sirens were reset. Pressing the button again switches the sirens on again. Reset the sirens is possible with authorisation level 1.

Pressing the button **Disable/Enable**  switches off the main siren and all other sirens and alarm areas. The LED next to the button and the  LED lights up, if the alarm systems are disabled. The sirens are not activated, even not in case of an occurring alarm. Pressing the button again switches the sirens on again. Disabling the sirens is possible with authorisation level 2.

4.6 Reset alarm

(An authorisation code must be entered for this to be permitted)

Only use this function if it is ensured that there is no longer any danger or if you are instructed to do so by the fire brigade. The cause of the alarm message must be eliminated. If the cause of the alarm is not resolved (for example there is still smoke, manual call point was not reset) the alarm will once again be displayed after 30 seconds.

If it has been proven within the intervention period that there is no fire, then the alarm can be reset by pressing the **Reset Alarm/System**  button without the fire brigade being notified.

If the transmission equipment is actuated (LED **Actuated**  flashes), the alarm can no longer be reset.

4.7 Transmission system actuated

If the LED **Actuated**  flashes, then the location offering assistance has already been informed of the alarm.

Do not press another button, wait for the support and assistance staff to arrive. Have the necessary plans ready.



NOTE

The intervention function is only permissible for detector zones with smoke detectors. Alarm messages generated by the heat and flame detector as well as the manual call point trigger the transmission system without delay and are immediately forwarded to the emergency services.

5 General operations

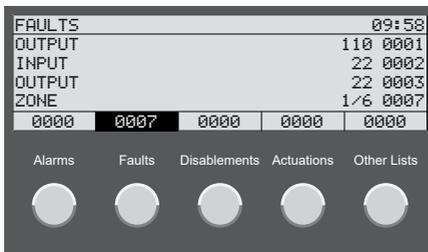


NOTE

Duty to keep log book

Please note the country-specific operator obligations on the duty to keep a log book. Where required, all implemented operating processes must be recorded in the log book after completion.

5.1 Alarms, faults and additional lists



Pressing the buttons **19** – **22** shows the lists of elements on the display with alarm or fault messages, the disabled elements or elements with actuations. Pressing the button **23** shows additional lists (activations, time levels, presignals or fault acknowledgements).

The elements are indicated with the logical element number and where applicable with the sub-element number (detector number). The elements in the list are consecutively numbered.

Three list entries are shown under the title of the list; in line four of the list, the last list entry is always displayed. Using the scroll buttons **▲/▼** to navigate through the list entries. Focus is on the topmost list entry.

Pressing the button **Site Info** **10** displays site information.

Site information can be called up for each element when in list view or element view. A customer-specific programmed text is displayed, e.g. 1ST FLOOR, CONFERENCE ROOM, ROOM 25.

Pressing the button **Additional Information** **25** displays additional information.

In list view or element view, additional information can be called up for each element, e.g. detector zone, detector number, date and time or in case of an event, e.g. alarm, fault, disablement or actuation.

5.1.1 Filter list view by element types

If a list contains many entries with several element types, you can filter the list and reduce the display of entries to a selected element type. The element type is selected before the list is called up.

- Pressing on of the buttons **14** – **17** selects a list with the individual elements types (depending on programming and authorisation level).
 - Detector zones by pressing the **Zone 14** button.
 - Outputs by pressing the **Output 15** button.
 - Additional external signalling systems by pressing the **Input 16** button.
 - All other types of element, which could not be selected by using one of the other buttons listed above (e.g. Printer, Battery etc.) by pressing the **Other Elements 17** button.
- Press the buttons **19** – **22** to call up the respective list. The list entries are filtered according to the selected element type.

5.1.2 Warnings list

Elements of the fire alarm system, which are to be replaced, trigger a service all message (the service call LED **40** lights up). Call service department/customer service immediately. The warnings list shows all elements, that have triggered this message.

- Pressing the button **23** displays additional lists.
- Using the scroll buttons **↕/↔** to select the entry **WARNINGS**.
- Confirm with the enter button **↵**.

5.2 Fault messages

The **34** LED flashes and the fault's signal is sounding, if there are faults ([Chapter Reset alarm/fault signal, Page 9](#)). The list of faults **Faults 20** displays the malfunctioning component with element type, element number and where applicable detector zone.

Pressing the button **Site Info 10** displays site information. Pressing the button **Additional Information 25** displays additional information.

There may be an device or system fault or the emergency mode has been activated.

5.2.1 Device fault

Fault in a device connected to the fire alarm control panel (e.g. detector zone, input, output). If the reason for failure is known (e.g. power failure, reconstruction work), disable the faulty device if necessary. Call the service department/customer service (necessary information: equipment type and number, customer number, messages, error codes).

5.2.2 Module fault active

Fault in active system, which is not caused by a connected element. The list of faults displays MODACT with an error code (xxx/nn).

The system may be significantly affected. Call the service department/customer service immediately (necessary information: equipment type and number, customer number, messages, error codes).

5.2.3 Module fault passive

(fire alarm control panels Integral EvoxX M)

Fault in a redundant system on the passive side. The list of faults displays MODPAS with an error code (xxx/nn).

The active system is not affected. Call the service department/customer service (necessary information: equipment type and number, customer number, messages, error codes).

5.2.4 Emergency mode

(fire alarm control panels Integral EvoxX C and Integral EvoxX B)

If the error code xxx/29 is displayed for a fault in the active system, emergency mode is activated. Operating and indication functions are reduced; fire alarm system functions.

Call the service department/customer service immediately (necessary information: equipment type and number, customer number, messages, error codes).

5.3 Select elements and querying element states

(Depends on programming and authorisation level)



NOTE

An element number has a value in the range of between 1 – 65 534.

1. Pressing on of the buttons **14** – **17** selects a list with the individual elements types (depending on programming and authorisation level).
 - ▶ Detector zones by pressing the **Zone 14** button.
 - ▶ Outputs by pressing the **Output 15** button.
 - ▶ Additional external signalling systems by pressing the **Input 16** button.
 - ▶ All other types of element, which could not be selected by using one of the other buttons listed above (e.g. Printer, Battery etc.) by pressing the **Other Elements 17** button.

2. Enter the number of the element to be selected using the numerical buttons of the keypad **24**.

**NOTE**

If an individual detector of a detector zone is to be queried, enter the detector number in addition to the detector zone number, separated by a slash (/).

3. Confirm with the enter button **↵**. If an element has been selected, then the element's current status is shown on the display.
 - ▶ The selected element can now be operated according to the authorisation level.
- Pressing the button **Site Info** **10** or **Additional Information** **25** displays additional information about the element.

5.4 Operation release (authorisation levels)

For each operating panel, different authorisation levels can be programmed with a varying range of functions. The system is set to the lowest authorisation level as standard (level 1). The **Access Code** **11** LED lights up, if a level higher than access level 1 is entered.

In level 1 it is possible in standard configuration to reset the alarm/fault signal ([Chapter Reset alarm/fault signal, Page 9](#)) and call up lists ([Chapter Alarms, faults and additional lists, Page 19](#)).

**NOTE**

An authorisation code must be entered for further operating and indication processes.

5.4.1 Change authorisation level

**CAUTION****Unauthorised access to the fire alarm control panel**

Only authorised persons may be able to access to the fire alarm control panel using the authorisation code. Note or save the authorisation code at a safe place and protected it from unauthorised access.

1. Pressing the button **Access Code** **11**.
2. Enter the access code of a higher authorisation level using the numerical buttons of the keypad **24**.

3. Confirm with the enter button .

Pressing the button **Access Code**  again you can select whether you want to switch back to authorisation level 1 or switch to another level. Once the programmed time has elapsed the system will revert automatically to the authorisation level 1.

5.5 Operate elements

(An authorisation code must be entered for this to be permitted)

1. Pressing on of the buttons  –  selects a list with the individual elements types (depending on programming and authorisation level).
2. Enter the number of the element to be selected using the numerical buttons of the keypad .



NOTE

If an individual detector of a detector zone is to be queried, enter the detector number in addition to the detector zone number, separated by a slash (/).

3. Confirm with the enter button . If an element has been selected, then the element's current status is shown on the display.
 - ▶ Pressing the button **Off**  turns the element off.
 - ▶ Pressing the button **On**  turns the element on.
 - ▶ Pressing the button **Set Reset**  either sets or resets a function, depending on the current state.
 - ▶ Pressing the button **Other Commands**  displays the list of all available commands. Using the scroll buttons  to scroll through all the entries in the list. Confirm with the enter button .



NOTE

Using other commands it is possible to disable detectors with time limits.

5.6 Range operation

(Depends on programming and authorisation level)

With range operation, it is possible to operate several elements of the same type together, e.g. to switch off several outputs or several detectors of a detector zone together.



CAUTION

No validation

No validation takes place in range operation, i.e. no check is made whether the specified elements are present and whether the command is possible (status or authorisation).

5.6.1 Operation of a range of element types without single elements

1. Select the element type by pressing the button **14** – **17**.
2. Enter the the first (lowest) number of the range using the numerical buttons of the keypad **24**.
3. Press the slash key (/) to enter the range hyphen (-). The display switches to range operation.
4. Enter the the last (highest) number of the range using the numerical buttons of the keypad **24**.
5. Confirm with the enter button **↵**.
6. The selected range can be operated together with the desired command (**29** – **32**).

5.6.2 Operation of a range of element types with single elements (detector zones)

1. Select the element type **Zone** by pressing the button **14**.
2. Enter the the first (lowest) number of the range using the numerical buttons of the keypad **24**.
3. Press the slash key (/) twice to enter the range hyphen (-).
4. Enter the the last (highest) number of the range using the numerical buttons of the keypad **24**.
5. Confirm with the enter button **↵**.
6. The selected detector zones can be operated together with the desired command (**29** – **32**).

5.6.3 Operation of a range of single elements (detector of a detector zone)

1. Select the element type **Zone** by pressing the button **14**.
2. Enter number of the detector zone using the numerical buttons of the keypad **24**.
3. Press the slash key (/) to enter the single element hyphen (/).
4. Enter the the first (lowest) number of the detector in the detector zone using the numerical buttons of the keypad **24**.
5. Press the slash key (/) to enter the range hyphen (-). The display switches to range operation.
6. Enter the the last (highest) number of the detector in the detector zone using the numerical buttons of the keypad **24**.
 - ▶ Example for detectors 3 – 20 of a detector zone 1:

RANGE OPERATION				
ZONE 1 / 3 - 20				
0000	0000	0000	0000	0001

7. Confirm with the enter button **↵**.
8. The selected detectors of the detectors zone can be operated together with the sired command (**29** – **32**).

5.7 Query alarm counter

Pressing the button **Menu** **26** opens the menu for additional options. Using the scroll buttons **↕** to select the entry ALARMCOUNTER. Pressing the Enter key **↵** shows the number of alarms that have occurred so far.

6 Settings

6.1 Menu functions

(Depends on programming and authorisation level)

6.1.1 Set date and time

1. Pressing the button **Menu**  opens the menu for additional options.
2. Using the scroll buttons / to select the entry DATE & TIME.
3. Confirm with the enter button .
4. Enter date and time using the numerical buttons of the keypad .
5. Confirm with the enter button .

6.2 Changeover periods for delay

The delay is active in daytime operating mode. The programmed times for automatically switching between daytime and night time operating modes can be displayed.

1. Pressing the button **Other Elements** .
 2. Using the scroll buttons / to select the entry DELAY LAYER.
 3. Confirm with the enter button .
 4. Enter the number of the element to be selected using the numerical buttons of the keypad .
 5. Confirm with the enter button .
 6. Pressing the button **Additional Information** .
- The list of weekdays with the programmed time is indicated for the switch-over. Using the scroll buttons / to scroll through all the entries in the list.



NOTE

In some countries (e.g. Austria) automatic switching from night time to daytime operating mode is not allowed. Only the switchover time from daytime to night time operation is displayed.

7 Log printer

(Element optional)

7.1 Activate/disable log printer

(An authorisation code must be entered for this to be permitted)

1. Pressing the button **Other Elements** 17.
2. Using the scroll buttons / to select the entry PRINTER.
3. Confirm with the enter button .
4. Enter the element number of the printer using the numerical buttons of the keypad 24.
5. Confirm with the enter button .
 - ▶ The current state of the printer will be shown on the display e.g. IDLE.
6. Pressing the button **Off** 30 turns the printer off. Pressing the button **On** 29 turns the printer on.

7.2 Repeat print

1. Pressing the button **Menu** 26 opens the menu for additional options.
2. Using the scroll buttons / to select the entry REPEAT PRINT.
3. Confirm with the enter button .
4. Using the scroll buttons / to select the log printer for repeating a print from the list.
5. Confirm with the enter button .
6. Using the scroll buttons / to scroll through the list of available lists
EVENTLOG, TRACELOG, FAULTS, DISABLEMENTS.
7. Confirm with the enter button .

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