

Operating panel Integral IMAP

User manual

Table of contents

1	General	5
2	General safety notes	7
3	Overview	8
3.1	Acoustic signals	9
3.2	Operational status and fault indication	9
3.3	Buttons and LED in the event of an alarm	10
3.4	Buttons and LED for transmission equipment	12
3.5	Buttons and LED for alarm notification equipment (sirens)	13
3.6	Buttons for operation	14
3.7	Display and corresponding list selection buttons	18
4	Typical operating procedures	23
4.1	Release operation (authorisation levels)	23
4.2	Switch the fire alarm control panel to day mode	24
4.3	Switch the fire alarm control panel to night mode	25
4.4	Operation in alarm state	25
4.5	Call up command or function with the freely programmable button	28
4.6	Transmission equipment faulty	29
4.7	Alarm notification equipment faulty	30
4.8	Disabling detectors or detector zones	30
4.9	Disabling detectors or detector zones internally	31
4.10	Spontaneous fault messages	32
5	General operation	33
5.1	Element	33
5.2	Element operation	37
5.3	State lists	42
6	Further operations	44
6.1	Menu functions	44
6.2	Alarm counter and indication test	47
6.3	Indicate switching times for delay	48
6.4	Function type extinguishing zone – activate/reset revision mode	48
6.5	Function type extinguishing zone – enable/disable automatic mode	50

- 7 Fault messages. 52**
 - 7.1 Device fault **52**
 - 7.2 Emergency mode **52**
 - 7.3 Module fault active **52**
 - 7.4 Module fault passive **53**

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 as environmentally sound way as possible.

1.1 To this document

The following user manual describe the standard functions and operating processes, which can be carried out using the operating panel Integral IMAP on the Integral EvoxX 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.

**NOTE**

Version 1.2 of this document is valid from IRP 9.1.

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.

**WARNING**

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

**DANGER**

Indicates a danger, the non-observance of which may result in injury, permanent damage to health or even death.

**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 planning 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 according to the manufacturer's specifications. The product-specific training of staff members must be carried out by Schrack Seconet or by skilled staff 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 staff 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 respective 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 works have been finished, the security precautions must once again be removed!

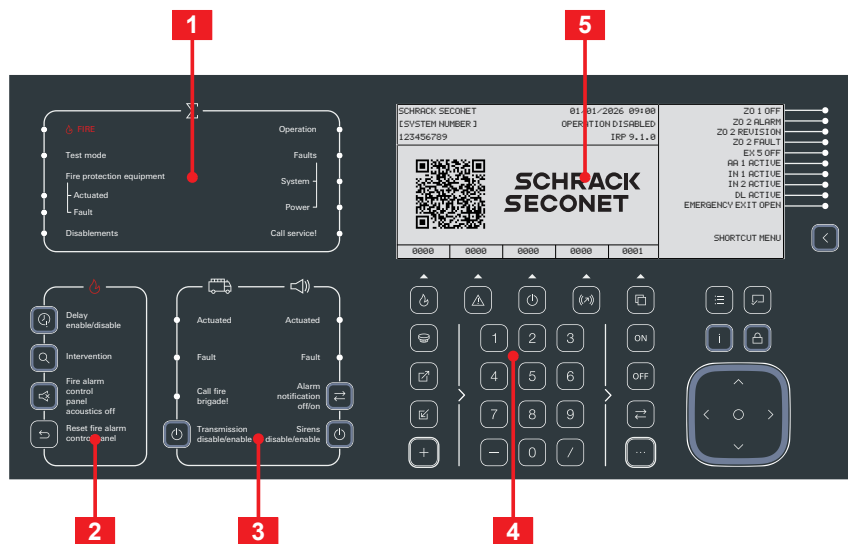
Please note the country-specific operator obligations on the duty to keep a log book. Where required, all implemented operating processes must be recorded in the log book after completion.

3 Overview

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

Commands can be sent to the system and system statuses can be indicated from the operating panel. 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.

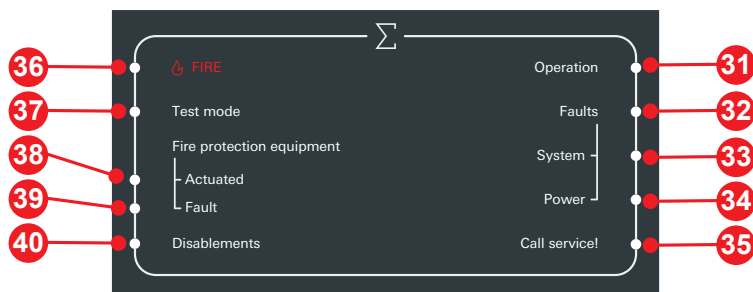


- 1** Operational status and fault indication ([Chapter Operational status and fault indication, Page 9](#))
- 2** Buttons and LED in the alarm state ([Chapter Buttons and LED in the event of an alarm, Page 10](#))
- 3** Buttons and LED for transmission equipment and alarm notification equipment (sirens) ([Chapter Buttons and LED for transmission equipment, Page 12](#)/[Chapter Buttons and LED for alarm notification equipment \(sirens\), Page 13](#))
- 4** Buttons for operation ([Chapter Buttons for operation, Page 14](#))
- 5** Display and corresponding list buttons as well as freely programmable LEDs and buttons ([Chapter Display and corresponding list selection buttons, Page 18](#) and [Chapter Freely programmable LEDs, Page 22](#))

3.1 Acoustic signals

Pre-alarm signal	100 ms with 800 Hz – 100 ms with 3 kHz – 10 s pause
Alarm signal	100 ms with 3 kHz – 100 ms pause
Fault signal	800 Hz continuous tone
Signal of acknowledgement time	140 ms with 800 Hz – 140 ms pause
Signal of intervention time	4 × (60 ms with 800 Hz – 60 ms pause) – 400 ms pause
Indication test	300 ms with 3 kHz – 300 ms with 800 Hz

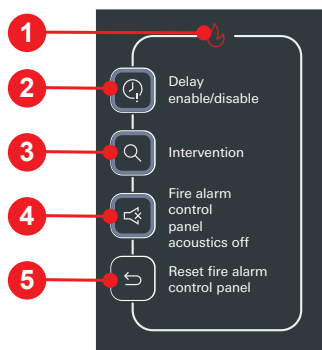
3.2 Operational status and fault indication



- 31 LED Operation 31:** The LED indicates the current operating status of the system. The LED goes out in the event of a power failure (mains/emergency power supply failure), operating panel failure or deactivated operating panel acoustics.
- 32 LED Faults 32:** The LED flashes when an element is faulty. The LED lights up if there is an operating panel failure. Further Information: [Chapter Fault messages, Page 52](#)
- 33 LED System 33:** The LED flashes in addition to the **Faults 32** LED if there is a module fault or the fire alarm control panel is in emergency mode. The LED lights up if there is an operating panel failure. Further Information: [Chapter Fault messages, Page 52](#)
- 34 LED Power 34:** The LED flashes in addition to the **Faults 32** LED if there is a fault in the power supply, either a mains fault (power failure) or a battery fault (rechargeable battery defective). Further Information: [Chapter Fault messages, Page 52](#)
- 35 LED Call service! 35:** The LED lights up, if there is a module fault or if maintenance work needs to be carried out on the system. Contact the service company/customer service of the fire alarm control panel immediately. Further Information: [Chapter Warnings lists, Page 43](#)
- 36 LED and lettering FIRE 36:** The LED and the lettering flash when an element is in alarm or pre-alarm state.

- 37 LED **Test mode** 37: The LED lights up if at least one element of the system is switched into test operation (revision).
- 38 LED **Fire protection equipment/Actuated** 38: The LED lights up if the fire protection equipment/fire incident control system has been activated.
- 39 LED **Fire protection equipment/Fault** 39: The LED lights up if the fire protection equipment/fire incident control system is faulty.
- 40 LED **Disablements** 40: The LED lights up if at least one element of the system is disabled.

3.3 Buttons and LED in the event of an alarm

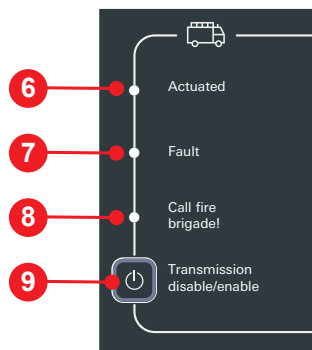


- 1 Indication/symbol 1: The indication flashes red as long as a fire alarm is indicated on the operating panel. Further Information: [Chapter Operation in alarm state, Page 25](#)
- 2 Button **Delay enable/disable** 2 with illuminated ring (function of the button depends on programming and authorisation level) (switching between day-time and night time operating mode): Pressing the button activates all programmed delay layers. Press again to deactivate all active delay layers. The illuminated ring is active if at least one delay layer is active. Further Information: [Chapter Alarm in day mode \(intervention mode active\), Page 26](#)
- 3 Button **Intervention** 3 with illuminated ring (function of the button depends on programming): Pressing the button with an active acknowledgement time (detector zone with intervention mode goes into alarm state) triggers the intervention mode. The illuminated ring around the button flashes when the acknowledgement time is active and lights up permanently during the intervention time. The remaining acknowledgement time and/or intervention time is indicated in the info area of the display ([Chapter Display and corresponding list selection buttons, Page 18](#)). Further Information: [Chapter Alarm in day mode \(intervention mode active\), Page 26](#)

- 4 Button  **Fire alarm control panel acoustics off** 4 with illuminated ring:
Pressing the button resets an active alarm or fault signal until a new alarm or fault signal arrives. The illuminated ring around the button flashes with an active signal and lights up when the signal has been reset. Further Information: [Chapter Operation in alarm state, Page 25](#)
- 5 Button  **Reset fire alarm control panel** 5 (function of the button depends on programming and authorisation level): Pressing the button sends a reset command to all elements that are in alarm state. Optionally also to all elements in fault state. Further Information: [Chapter Alarm in day mode \(intervention mode active\), Page 26](#)

3.4 Buttons and LED for transmission equipment

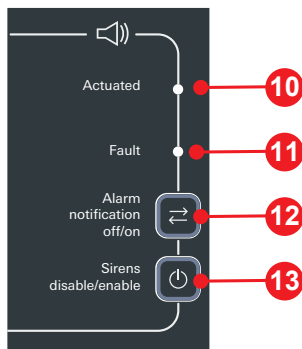
The transmission equipment (in accordance with EN 54-1) is responsible for producing a connection between the fire alarm system and the alarm receiver unit of an assistance organisation. This is usually a transmission device via which the fire alarm system is connected to the fire brigade or a security service via a dedicated line.



- 6 LED **Actuated** 6: The LED flashes if the transmission equipment has been activated, i.e. if an assistance organisation has already been called.
- 7 LED **Fault** 7: The LED flashes if the output or the monitored input of the feedback for the transmission equipment is faulty.
- 8 LED **Call fire brigade!** 8: The LED lights up in alarm state, if the fire brigade could not be notified automatically (transmission equipment faulty, disabled or not available).
- 9 Button  **Transmission disable/enable** 9 with illuminated ring: Pressing the button switches off the transmission equipment. The illuminated ring around the button lights up when the transmission equipment is disabled. The transmission equipment is not triggered in alarm state. Pressing the button again switches the transmission equipment on again.

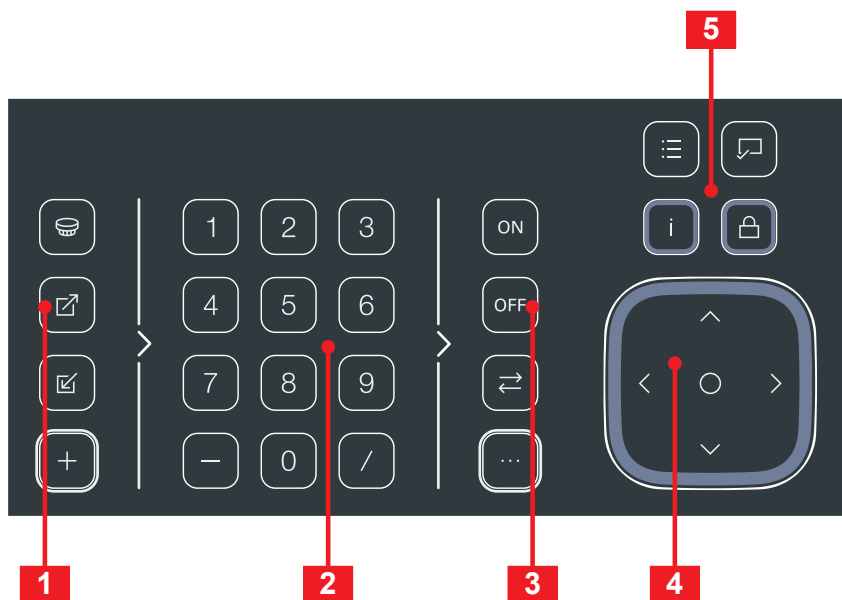
3.5 Buttons and LED for alarm notification equipment (sirens)

The indication area for the alarm notification equipment is usually associated with an acoustic main alarm notification device (assigned output or alarm zone), which is used to indicate and operate all alarm notification devices (sirens and/or flashlights) activated by the fire alarm control panel.



- 10 LED **Actuated** 10:** The LED flashes if the assigned (main) alarm zone or the assigned output is activated, e.g. main siren.
- 11 LED **Fault** 11:** The LED flashes if the assigned (main) alarm zone or the assigned output is faulty.
- 12 Button  **Alarm notification off/on** 12 with illuminated ring:** Pressing the button resets the main siren and all activated sirens, which are programmed so that they are arranged hierarchically below the main siren. The illuminated ring around the button flashes when it is possible to turn off (alarm notification is triggered). The illuminated ring around the button lights up when the button is pressed (alarm notification has been turned off). If the button is pressed again, the sirens are actuated again. If a new alarm is received, the sirens are actuated again.
- 13 Button  **Sirens disable/enable** 13 with illuminated ring:** Pressing the button switches off the alarm notification equipment. Pressing the button again switches the alarm notification equipment on again.

3.6 Buttons for operation



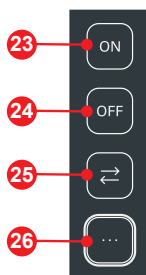
- 1** Element selection buttons ([Chapter Element selection buttons, Page 15](#))
- 2** Numeric keypad ([Chapter Numeric keypad, Page 16](#))
- 3** Command buttons ([Chapter Command buttons, Page 15](#))
- 4** Control pad with confirmation button ([Chapter Control pad with confirmation button, Page 16](#))
- 5** Function buttons ([Chapter Function buttons, Page 17](#))

3.6.1 Element selection buttons



- 27 Pressing the  27 button selects the element type **ZONE**. Further Information: [Chapter Element operation, Page 37](#)
- 28 Pressing the  28 button selects the element type **OUTPUT**. Further Information: [Chapter Element operation, Page 37](#)
- 29 Pressing the  29 button selects the element type **INPUT**. Further Information: [Chapter Element operation, Page 37](#)
- 30 Pressing the + 30 button activates a selection list of all available element types. Further Information: [Chapter Element operation, Page 37](#)

3.6.2 Command buttons



- 23 Pressing the **ON** 23 button enables the element. Further Information: [Chapter Operating elements via keypad, Page 37](#)
- 24 Pressing the **OFF** 24 button disables the element. Further Information: [Chapter Operating elements via keypad, Page 37](#)
- 25 Pressing the  25 button actuates the element in idle mode to the active state or resets an active element. Further Information: [Chapter Operating elements via keypad, Page 37](#)
- 26 Pressing the ... 26 button displays a list of all available commands of the current authorisation level for the selected element. Further Information: [Chapter Operating elements via keypad, Page 37](#)

3.6.3 Numeric keypad

The numeric keypad **2** is used to enter numbers, hyphens and slashes. The hyphen – is the separator for a range. The slash / is the separator for an indication zone (e.g. individual detectors of a detector zone).

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).

3.6.4 Control pad with confirmation button



The control pad **4** with the upwards **^** or downwards **v**, left **<** and right **>** arrow buttons, and confirmation button **○** is used to navigate in list views, menus and for data entry via the numeric keypad.

Pressing the upward arrow button **^** selects the previous list entry (scroll up in the list).

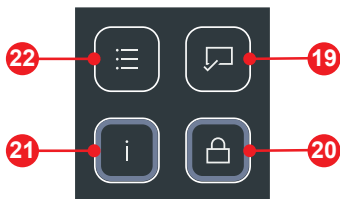
Pressing the downward arrow button **v** selects the following list entry (scroll down in the list). The illuminated ring around the control pad lights up when a selection menu is active and you are navigating in the list.

Pressing the left arrow button **<** deletes the previous character during an input or switches to the previous input field.

Pressing the right arrow button **>** switches to the next input field.

Pressing the confirmation button **○** confirms an entry. The selected element is opened or the selected command is activated.

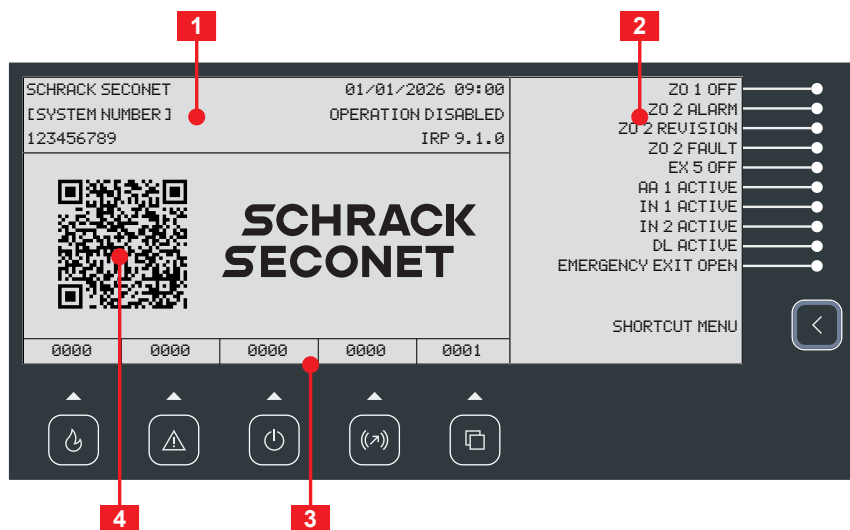
3.6.5 Function buttons



- 19** Briefly pressing the  **19** button (for less than five seconds) indicates the current status of the global alarm counter and the revision alarm counter for the duration of the timeout. Pressing the  **19** button for longer than five seconds triggers the indication test of the operating panel for as long as the button is pressed.
- 20** Press the  **20** button to change the authorisation level. The illuminated ring around the button lights up, as soon as a level higher than authorisation level 1 is entered. Further Information: [Chapter Release operation \(authorisation levels\), Page 23](#)
- 21** Pressing the  **21** button displays additional information of the selected element. The illuminated ring around the button flashes when additional information is available. The illuminated ring around the button lights up when the button is pressed and additional information is displayed.
- 22** Pressing the button  **22** opens the menu for additional options. Available functions depend on programming and the authorisation level. Further Information: [Chapter Menu functions, Page 44](#)

3.7 Display and corresponding list selection buttons

(Depends on programming and authorisation level)



- 1 Info area:** System functions and statuses are indicated in the info area, e.g. company name, system name, system number, programme version, software package version, date and time, authorisation status or remote access status. The information indicated is defined in the system configuration and cannot be edited or changed during operation.

When the intervention mode is activated, the remaining time for the acknowledgement time and intervention time is indicated in the info area. Further Information: [Chapter Alarm in day mode \(intervention mode active\), Page 26](#)

- 2 LEDs and digital labelling area:** The ten LEDs can be freely programmed. The indication function of the ten LEDs is defined in terms of light colour and flashing behaviour depending on logical conditions in the system configuration. Further Information: [Chapter Freely programmable LEDs, Page 22](#)
- The freely programmable button can either be permanently assigned to a function with an associated text in the configuration or a menu can be configured in the operational area with several selection options. Further Information: [Chapter Call up command or function with the freely programmable button, Page 28](#)

3 Status list counter and list selection buttons: The status list counters at the bottom of the operational area contain the number of events in the event lists. If one of the main lists (alarm, fault, disable or activation) contains one or more indications, the number of entries is shown in the status list counter above the corresponding list selection button in the display. The list with the highest priority is automatically indicated; the list counter of the indicated list is shown inversely. Further Information: [Chapter Status list counter and list selection buttons, Page 20](#)

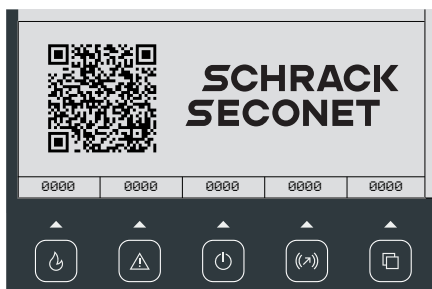
4 Operational area: The operational area is used for the indication and editing of information from the fire alarm control panel. Lists, operating functions, menus and QR codes are displayed in this area. Pressing the button **i** ²¹ displays additional information. Further Information: [Chapter Display \(operational area\) in idle mode, Page 19](#)



NOTE

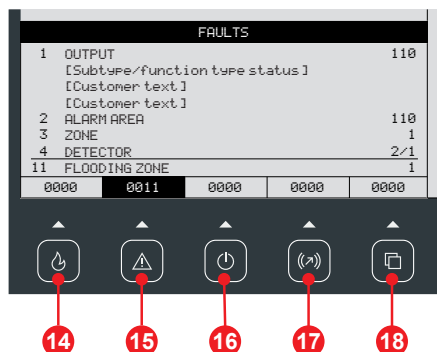
Lists on the display are displayed in accordance with EN 54-2. The lists on the display vary depending on the programming, authorisation level or software version. Default programming is used for the examples.

3.7.1 Display (operational area) in idle mode



In idle mode (idle screen), the display shows product and customer information. The idle screen is displayed if there are no alarm, fault, disable or activation messages in the respective status list. The list counters are set to 0.

3.7.2 Status list counter and list selection buttons



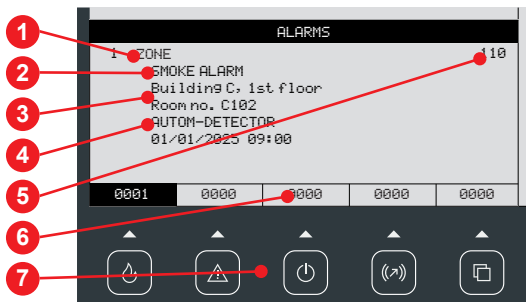
- 14 Pressing the  14 button displays the list of elements in alarm state or pre-alarm state.
- 15 Pressing the  15 button displays the list of elements in fault state.
- 16 Pressing the  16 button displays the list of elements in the disable state or revision state.
- 17 Pressing the  17 button displays the list of elements in the activation state.
- 18 Pressing the  18 button displays further lists (e.g. warnings, activations, time levels, pre-alarm signals).

If one of the main lists (alarm, fault, disable or activation) contains one or more indications, the number of entries is shown in the status list counter above the corresponding list selection button in the display. The list with the highest priority is automatically displayed, the list counter of the displayed list is shown inversely.

Pressing the corresponding button 14 – 18 shows the entries in the assigned list. If no button is pressed for a prolonged period of time, then the display automatically reverts to the list with the highest priority.

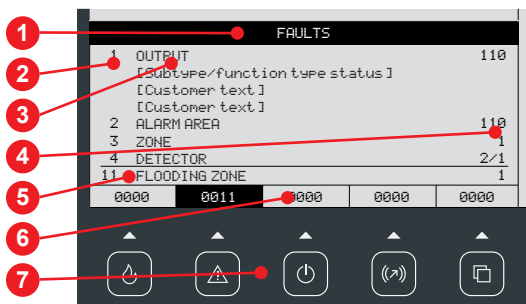
Further Information: [Chapter Query element state via keypad, Page 35](#)

3.7.2.1 Status list with one entry



- 1 Element type
- 2 Element state
- 3 Customer specific text
- 4 Subtype of the element
- 5 Element number
- 6 State list counter (active counter shown inversely)
- 7 List selection buttons

3.7.2.2 Status list with multiple entries



- 1 List heading
- 2 List counter
- 3 Element type
- 4 Element number
- 5 Last entry in the list
- 6 State list counter (active counter shown inversely)
- 7 List selection buttons

3.7.3 Freely programmable LEDs

Freely programmable LEDs are available on the operating panel, which can be customised. Various functions and colours (white, yellow, green, red) can be freely programmed for the ten LEDs next to the display.

The displayed information and assigned functions are defined in the system configuration and cannot be edited or changed using the buttons on the operating panel.

3.7.4 Freely programmable button

One or more functions can be assigned to the freely programmable button. The assigned functions are indicated on the display. Instead of text, QR codes can also be called up for scanning with mobile devices.

- If only one function or command is programmed for the button, the assigned command or function is shown in the labelling area of the display. Pressing the < button executes the programmed command or function directly.
- Up to ten actions (commands, functions or QR codes with predefined content) can be programmed as a selection menu. For the user, the actions available with the current authorisation are indicated as a list in the operational area.

4 Typical operating procedures

A fire alarm control panel must generally fulfil the following tasks:

- Detect a fire with automatic fire detectors or record a fire alarm from manual call points.
- Carry out the alarm notification using alarm notification equipment with sirens and/or flashlights, thus enabling the evacuation of the endangered areas or the building.
- Activate the forwarding of the fire detector to the fire brigade via the transmission equipment.
- The activation of fire incident control systems that impede the spread of fire, or support escape/evacuation and/or fire fighting.

To fulfil these tasks, a fire alarm control panel is basically programmed in such a way that the operator of the fire alarm control panel usually has to perform no or only a few operating actions. The operator should be able to carry out the following operating procedures.

4.1 Release operation (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 1 per default (operation locked). The illuminated ring around the  button lights up as soon as a higher authorisation level is reached. The selected authorisation level is indicated on the display.

In authorisation level 1, it is per default possible to reset the alarm/fault signal ([Chapter Operation in alarm state, Page 25](#)) and call up lists ([Chapter State lists, Page 42](#)). An authorisation code must be entered for further operating and indication processes.

4.1.1 Release/lock operation (change from authorisation level 1)



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. Press  button.

2. Enter the authorisation code of a higher authorisation level using the buttons on the numeric keypad.
3. Confirm with the confirmation button . Operation is released.
4. Pressing the  button locks the operating panel.

After the programmed time has elapsed (default 10 minutes), operation is automatically locked (authorisation level 1).

4.1.2 Change authorisation level with released operation (authorisation level 2 or higher)

1. Press  button.
2. Use the up  or down  arrow buttons to select the desired action:
 -  **DISABLE ACCESS**: Operation is locked (authorisation level 1)
 -  **CHANGE ACCESS**: Enter an authorisation code for a higher authorisation level
3. Confirm with the confirmation button .
4. With  **CHANGE ACCESS** selected: Enter the authorisation code of a higher authorisation level using the buttons on the numeric keypad.
5. Confirm with the confirmation button .

After the programmed time has elapsed (default 10 minutes), operation is automatically locked (authorisation level 1).

4.2 Switch the fire alarm control panel to day mode

(Activate intervention mode)

The following description applies to fire alarm control panels with configured intervention mode. In Austria, the intervention mode is activated manually by the operator as default (day mode) and deactivated automatically during the programmed operating times (night mode). If no automatic deactivation is programmed, the fire alarm control panel must be switched to night mode manually.

- ▷ Fire alarm control panel in night mode. Illuminated ring around the  **Delay enable/disable** button is inactive.
1. Release operation.
 2. Press the  **Delay enable/disable** button to activate day mode.
 3. The illuminated ring around the  **Delay enable/disable** button lights up.
 4. Lock operation.

4.3 Switch the fire alarm control panel to night mode

(Deactivate intervention mode)

The following description applies to fire alarm control panels with configured intervention mode. In Austria, the intervention mode is activated manually by the operator as default (day mode) and deactivated automatically during the programmed operating times (night mode). If no automatic deactivation is programmed, the fire alarm control panel must be switched to night mode manually.

- ▷ Fire alarm control panel is in day mode. Illuminated ring around the  **Delay enable/disable** button lights up.
- 1. Release operation.
- 2. Press the  **Delay enable/disable** button to activate the night mode.
- 3. The illuminated ring around the  **Delay enable/disable** button is inactive.
- 4. Lock operation.

4.4 Operation in alarm state

According to alarm plan TRVB 123 S

4.4.1 Alarm in night mode (normal operation without intervention mode)

Automatic detector (detector zone without intervention mode) or manual call point goes into alarm state

- Alarm signal sounds at the fire alarm control panel. LED, symbol and lettering  **FIRE** flash.
- State list **ALARMS** active. Indication of the triggered detector in the alarm list.
- The fire brigade is called immediately. LED **Actuated** flashes.
- Alarm notification equipment/sirens are activated. LED **Actuated** flashes.
- Fire incident control systems are activated. List counter  shows the number.

Possible operating procedures

1. Press the  **Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Determine alarm location.
3. If only one detector is in alarm state, press the  **Alarm notification off/on** button to reset the alarm notification equipment/sirens.
4. Optional: Inspect the alarm location, search for the cause, initiate immediate fire fighting.

5. Wait for the fire brigade to arrive.



WARNING

Once the alarm notification has been raised, only the fire brigade may reset the alarm

Even if there is no doubt that the alarm is a deceptive alarm, only the fire brigade may reset the alarm.

Second automatic detector goes into alarm state

- The alarm signal from the fire alarm control panel sounds again. LED, symbol and lettering **FIRE** continue to flash.
- The second detector/detector zone is indicated in the state list **ALARMS**.
- LED **Actuated** continues to flash.
- Alarm notification equipment/sirens are reactivated. LED **Actuated** flashes.
- Fire incident control systems remain activated. List counter (↗) shows the number.

Further operations

1. Optional: Press the **Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Proceed according to the alarm plan/evacuation.
3. Wait for the fire brigade to arrive.
4. Do not reset alarm notification equipment/sirens. Even if there is no doubt that the alarm is a deceptive alarm, only the fire brigade may reset the alarm.

Documentation

Keep a log book in accordance with the regulations (e.g. TRVB 123 S).

4.4.2 Alarm in day mode (intervention mode active)

Automatic detector (detector zone with intervention mode) goes into alarm state

- Signal of acknowledgement time sounds. LED, symbol and lettering **FIRE** flash.
- State list **ALARMS** active. Indication of the triggered detector in the alarm list.
- The illuminated ring around the **Q Intervention** button flashes. Indication of the remaining acknowledgement time in the info area.
- Fire brigade is not called.
- Alarm notification equipment/sirens are not activated.

Possible operating procedures

1. Press the **Q Intervention** button.
2. Signal of intervention time sounds. Indication of the remaining intervention time in the info area.
3. Inspect the alarm location, search for the cause.
4. If a fire is actually discovered during intervention time, the fire brigade has to be notified immediately. The manual call point can be used for immediate alarm notification.
5. Possibly fire fighting or escape.
6. The alarm may only be reset by pressing the **↶ Reset fire alarm control panel** button within the intervention time if there is no doubt that the alarm is a deceptive alarm. Fire brigade is not called.

Second automatic detector goes into alarm state/cancel intervention

- Alarm signal from the fire alarm control panel sounds. LED, symbol and lettering **🔥 FIRE** continue to flash.
- The second detector/detector zone is indicated in the state list **ALARMS**.
- Cancel the intervention and alert the fire brigade! The manual call point can be used for immediate alarm notification. Cancel intervention mode on the operating panel. Further Information: [Chapter Cancel intervention mode, Page 28](#)
- The fire brigade is called immediately. LED **Actuated** flashes.
- Alarm notification equipment/sirens are activated. LED **Actuated** flashes.
- Fire incident control systems are activated. List counter **(🔊)** shows the number.

Further operations

1. Optional: Press the **🔊 Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Proceed according to the alarm plan/evacuation.
3. Wait for the fire brigade to arrive.
4. Do not reset alarm notification equipment/sirens. Even if there is no doubt that the alarm is a deceptive alarm, only the fire brigade may reset the alarm.

Documentation

Keep a log book in accordance with the regulations (e.g. TRVB 123 S).

4.4.3 Cancel intervention mode

(Must always be available in authorisation level 1)



NOTE

This function cancels an ongoing intervention mode. The fire brigade is called.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the INTERVENTION OFF entry.
3. Confirm with the confirmation button .

4.5 Call up command or function with the freely programmable button

One or more functions can be assigned to the freely programmable button. The assigned functions are indicated on the display. Instead of text, QR codes can also be called up for scanning with mobile devices.

- If only one function or command is programmed for the button, the assigned command or function is shown in the labelling area of the display. Pressing the  button executes the programmed command or function directly.
- Up to ten actions (commands, functions or QR codes with predefined content) can be programmed as a selection menu. For the user, the actions available with the current authorisation are indicated as a list in the operational area.
 1. Press the freely programmable button .
 2. Use the up  or down  arrow buttons to select the desired available command or functions in the list.
 3. Confirm with the confirmation button . The command or function is executed. The display then returns to idle mode.

The displayed information and assigned functions are defined in the system configuration and cannot be edited or changed using the buttons on the operating panel.

4.6 Transmission equipment faulty

Fire alarm control panel in idle mode, output of the transmission equipment goes into fault state



WARNING

No automatic alarm notification of the fire brigade

The fire brigade is not alerted automatically. Until the fault has been rectified, alternative alarm notification of the fire brigade must be ensured (e.g. by telephone). The fire alarm control panel must also be staffed outside of operating times.

- Fault signal sounds from the fire alarm control panel.
- LED **Faults** of the operating and fault indications flashes.
- LED **Fault** of the transmission equipment flashes.
- State list  active. Indication of the faulty output for the transmission equipment in the fault list.

Possible operating procedures

1. Press the  **Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Identify fault message. Pressing the **i**  button indicates additional information (element, customer text, sub-state).
3. Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state).
4. Do not disable the transmission equipment.

Transmission equipment goes into fault during activation

- If the output of the transmission equipment goes into fault during activation, the **Call fire brigade!** LED lights up. The fire brigade is not alerted automatically. The fire brigade must be notified by an alternative means (e.g. by telephone) with all the necessary data (company name, location, detector zone, TUS number).

4.7 Alarm notification equipment faulty

Fire alarm control panel in idle mode, output of the alarm notification equipment goes into fault mode

Only the activation of the main siren or the main alarm zone is not guaranteed. All other alarm zones and devices are activated in alarm state. It is not possible to reset the siren circuits.

- Fault signal sounds from the fire alarm control panel.
- LED **Faults** of the operating and fault indications flashes.
- **Fault** LED of the alarm notification equipment flashes.
- State list  active. Indication of the faulty output for the alarm notification equipment in the fault list.

Possible operating procedures

1. Press the  **Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Identify fault message. Pressing the   button indicates additional information (element, customer text, sub-state).
3. Until this is rectified, the elements must be reset individually from the activation list or as a range operation via a general operating procedure.
4. Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state). If the alarm notification equipment goes into fault during activation, the service company does not have to be notified until after the alarm has been processed.
5. Do not disable the alarm notification equipment (main siren).

4.8 Disabling detectors or detector zones

Automatic detectors or detector zones in a monitoring area should be disabled if work is planned that is likely to cause deceptive alarms (e.g. construction work, cutting, grinding or separating processes, welding work, vapour development). The disablement triggers fire prevention doors and other fire zone forming outputs.

▷ Fire alarm control panel is in idle mode.

1. Release operation with authorisation code on authorisation level 2. Further Information: [Chapter Release/lock operation \(change from authorisation level 1\), Page 23](#)
2. Press the  button to disable a detector or a detector zone.

3. Enter the element number: Enter the number of the desired element using the buttons of the keypad.

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

4. Pressing the **OFF**  button disables the element.
5. Lock operation.

The state list  is active. The disabled detectors or detector zones are listed in the disable list.

Documentation

Keep a log book in accordance with the regulations (e.g. TRVB 123 S).

4.9 Disabling detectors or detector zones internally

The internal disablement can be used as an alternative to the disablement if work is planned that is likely to cause deceptive alarms (e.g. construction work, cutting, grinding or separating processes, welding work, vapour development). The detectors remain active with the internal disablement. If a deceptive alarm is triggered during the work, the detectors or detector zones are disabled. Only then are fire prevention doors and other fire zone forming outputs triggered. The advantage of the internal disablement is that fire prevention doors remain open and are not closed until a deceptive alarm is triggered.

▷ Fire alarm control panel is in idle mode.

1. Release operation with authorisation code on authorisation level 2. Further Information: [Chapter Release/lock operation \(change from authorisation level 1\), Page 23](#)
2. Press the  button to disable a detector or a detector zone.
3. Enter the element number: Enter the number of the desired element using the buttons of the keypad.

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

4. Press ... button.
5. Use the up  or down  arrow buttons to select the TURN OFF INTERNAL entry.
6. Confirm with the confirmation button .
7. Lock operation.

The state list  is active. The disabled detectors or detector zones are listed in the disable list.

Documentation

Keep a log book in accordance with the regulations (e.g. TRVB 123 S).

4.10 Spontaneous fault messages

If the fire alarm control panel detects a fault on a detector, an input or an output, a spontaneous fault message is triggered.

- Fault signal sounds from the fire alarm control panel.
- LED **Faults** of the operating and fault indications flashes.
- State list  active. Indication of the detector, the input or the output with the element number and further information in the fault list.

Possible operating procedures

1. Press the  **Fire alarm control panel acoustics off** button to reset the alarm signal of the fire alarm control panel.
2. Identify fault message. Pressing the **i**  button indicates additional information (element, customer text, sub-state).
3. Check the element for causes of faults; if no cause can be identified, reset the fault of the element.
4. Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state).
5. If necessary, disable the faulty element in agreement with the service company.

Documentation

Keep a log book in accordance with the regulations (e.g. TRVB 123 S).

5 General operation

A fire alarm control panel may only be operated in accordance with the regulations by an authorised person. In authorisation level 1, the fire alarm control panel is protected against unauthorised operations. Apart from state queries, only a few operations are permitted. All other operations described apply for an operator with authorisation level 2 or higher.



NOTE

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 Element

5.1.1 Element types

In the Integral EvoxX fire alarm system, all components are defined as logical elements. If there can be more than one element of an element type in a system, an element number is also required.

Element type	Meaning	Element number range
ZONE	Zone of fire detectors with common operation	1 – 65 535
DETECTOR	Single detector	/ 1 ... 63
OUTPUT	Output of the fire alarm control panel that activates a connected functional unit. For example, alarm notifications for the fire brigade, sirens, and fire incident control systems such as fire prevention doors and lift control systems are connected to outputs.	1 – 65 535
INPUT	Inputs are used to record and indicate incoming states from external devices and systems that do not signify a direct fire alarm	1 – 65 535
EXTERNAL	Element for representing logical states without requiring a physical element	1 – 65 535
PRINTER	Log printers connected to the fire alarm control panel	
OPERATING PANEL	Each operating panel of a fire alarm control panel has a logical number for logging purposes	

Element type	Meaning	Element number range
BATTERY	Rechargeable battery of the sub-control unit	1 – 16
MAINS	Mains connection of the sub-control unit	1 – 16
MODULE ACT	System fault number active/error code	1 – 4096
MODULE PAS	System fault number passive/error code	1 – 4096
DELAY LAYER	Day/night levels available in the fire alarm control panel	1 – 16

For some element types, the element number can be extended with a sub-element number in order to be able to localise and/or operate the combined elements individually.

The separator between:

- ZONE: detector zone number/detector number
- LOOP: loop number/element position
- MODULE ACT: element position/error code
- MODULE PAS: element position/error code
- (from software version 9.2) ALARM ZONE: number of the alarm zone/number of the sub-alarm zone

5.1.2 Function types

In addition to the element state, some element types also have states of other function types, not all of which can be operated or may even be invisible.

Element type	Function type	Visible	Operable	Possible commands
OUTPUT	FEEDBACK	always		
LOOP	CONFIGURATION	from authorisation level 2	from authorisation level 2	MAPPING
FLOODING ZONE	AUTOMATIC	from authorisation level 2	from authorisation level 2	OFF, ON
	REVISION	from authorisation level 2	from authorisation level 2	SET, RESET
DELAY LAYER	AUTOMATIC	from authorisation level 2	from authorisation level 2	OFF, ON

5.1.3 State queries

With disabled operation, only state queries of elements are possible. State queries can be carried out in various ways.

5.1.3.1 Query element state via keypad

The state of an element can be queried by entering the element number using the keypad. An element number with an indication zone is entered with the element separator.



1. Select element type: Pressing one of the buttons 27 – 30 selects the individual element types (depending on programming and authorisation level).
 - ▶ Select detector zones using the 27 button.
 - ▶ Select outputs using the 28 button.
 - ▶ Select Inputs using the 29 button.
 - ▶ For all other element types which could not be selected by using one of the other buttons listed above, e.g. log printer, battery, use the + 30 button.
2. Enter the element number: Enter the number of the desired element using the buttons of the keypad.

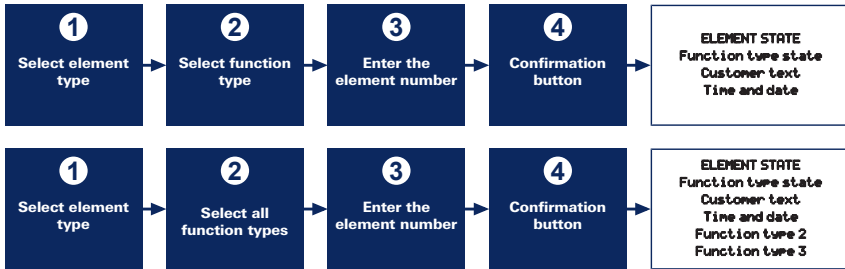
If the number of an individual detector of a detector zone is to be entered, enter the detector number in addition to the detector zone number, separated by a slash (/).

3. Confirm with the confirmation button . If an element has been selected, then the element's current status is shown on the display.
 - ▶ The selected element is indicated with state, customer text and further information.

Pressing the button indicates additional information, e.g. element subtype, date and time. The illuminated ring around the button flashes when additional information is available. The illuminated ring around the button lights up when the button is pressed and additional information is displayed. Press the button again to return to the previous view.

5.1.3.2 Query element state of elements with function types

Function types are visible for some elements. In an additional step, one specific or all function types can be indicated.



1. Select element type: Pressing one of the buttons **27** – **30** selects the individual element types (depending on programming and authorisation level).
 - ▶ Select detector zones using the **27** button.
 - ▶ Select outputs using the **28** button.
 - ▶ Select Inputs using the **29** button.
 - ▶ For all other element types which could not be selected by using one of the other buttons listed above, e.g. log printer, battery, use the **+** **30** button.
2. Use the up or down arrow buttons to select the desired element/function type. Select ALL TYPES to indicate all function types.
3. Enter the element number: Enter the number of the desired element using the buttons of the keypad.

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

4. Confirm with the confirmation button . The current state of the selected element/function type is indicated.
 - ▶ All function types: Use the up or down arrow buttons to switch between the state indications of the function types. The first state is always the element state, the state of the function type changes depending on the selected function type.

Pressing the button indicates additional information, e.g. element subtype, date and time. The illuminated ring around the button flashes when additional information is available. The illuminated ring around the button lights up when the button is pressed and additional information is displayed. Press the button again to return to the previous view.

5.1.3.3 Query element state via state list

With locked operation, the element state of a selected element can be indicated in a state list using the confirmation button . Only the function type indicated in the state list can be selected.



1. Use the up  or down  arrow buttons to select the element in the state list.
2. Press the confirmation button  to call up the indication of the element state.

It is not possible to return to the state list from the indication of the element state.

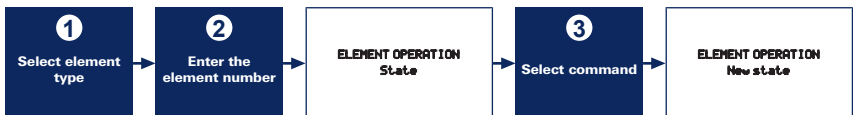
5.2 Element operation

(Operation released; authorisation level 2 or higher)

There are separate buttons on the operating panel for enable (**ON**), disable (**OFF**) and actuation/reset () commands. Pressing the additional commands button (...) indicates a list of all available commands of the current authorisation level for the selected element. After successful operation, the element changes to the new state.

5.2.1 Operating elements via keypad

(Operation released; authorisation level 2 or higher)



1. Select element type: Pressing one of the buttons  –  selects the individual element types (depending on programming and authorisation level).
 - Select detector zones using the  .
 - Select outputs using the  .
 - Select Inputs using the  .
 - For all other element types which could not be selected by using one of the other buttons listed above, e.g. log printer, battery, use the + .
2. Enter the element number: Enter the number of the desired element using the buttons of the keypad.

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

3. Confirm with the confirmation button . If an element has been selected, then the element's current status is shown on the display.
 - ▶ Pressing the **ON**  button enables the element.
 - ▶ Pressing the **OFF**  button disables the element.
 - ▶ Pressing the                                

6. The current status of the element/function type is shown.
 - ▶ Pressing the **ON** 23 button enables the element/function type.
 - ▶ Pressing the **OFF** 24 button disables the element/function type.
 - ▶ Pressing the **↔** 25 button actuates or resets an element/function type, depending on the current state.
 - ▶ Pressing the **...** 26 button indicates a list of all available commands for the selected element/function type.

5.2.3 Range operation

(Depends on programming and authorisation level)



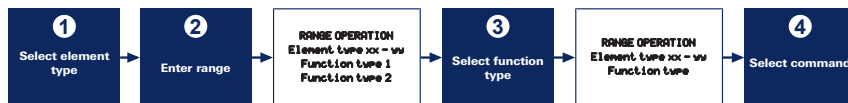
CAUTION

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).

With range operation, a command can be sent to an element number range or a sub-element number range of an element type. In this way, several elements can be operated simultaneously (e.g. ZONE 21 – 33 or DETECTOR 22/1 – 5).

- The state of a range of several elements cannot be queried. Instead of a state, <...> is indicated.
- It is not possible to verify whether or how many elements are present in the specified range.
- A state change cannot be reported directly in the range operation dialogue.
- All commands possible for the selected element type in the authorisation level currently logged in are offered. A restriction to specified states is not possible.



5.2.3.1 Operation of a range of element types without single elements

1. Select element type: Pressing one of the buttons  –  selects the individual element types (depending on programming and authorisation level).
 - ▶ Select detector zones using the   button.
 - ▶ Select outputs using the   button.
 - ▶ Select Inputs using the   button.
 - ▶ For all other element types which could not be selected by using one of the other buttons listed above, e.g. log printer, battery, use the   button.
2. Enter the first (lowest) number of the range using the buttons of the keypad.
3. Enter the range separator (–) using the hyphen key. The display switches to range operation.
4. Enter the last (highest) number of the range using the buttons of the keypad.
5. Confirm with the confirmation button .
6. The selected range can be operated together with the desired command.
 - Pressing the **ON**  button enables the selected range.
 - Pressing the **OFF**  button disables the selected range.
 - Pressing the   button actuates or resets the selected range, depending on the current state.
 - Pressing the ...  button indicates a list of all available commands for the selected range.

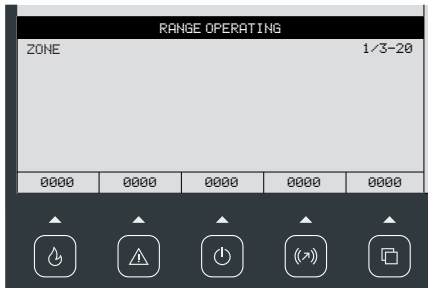
5.2.3.2 Operation of a range of element types with single elements (detector zones)

1. Pressing the   button activates the operation of elements of the type detector zone.
2. Enter the first (lowest) number of the range using the buttons of the keypad.
3. Enter the range separator (–) using the hyphen key. The display switches to range operation.
4. Enter the last (highest) number of the range using the buttons of the keypad.
5. Confirm with the confirmation button .
6. The selected detector zones can be operated together with the desired command.
 - Pressing the **ON**  button enables the selected range.
 - Pressing the **OFF**  button disables the selected range.
 - Pressing the   button actuates or resets the selected range, depending on the current state.
 - Pressing the ...  button indicates a list of all available commands for the selected range.

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

1. Pressing the  **27** button activates the operation of elements of the type detector zone.
2. Enter the number of the detector zone using the buttons on the numeric keypad.
3. Use the slash key to enter the single element separator (↱).
4. Enter the first (lowest) detector number of the detector zone using the buttons on the numeric keypad.
5. Enter the range separator (-) using the hyphen key. The display switches to range operation.
6. Enter the last (highest) detector number of the detector zone using the buttons on the numeric keypad.

► Example for detectors 3 – 20 of a detector zone 1:



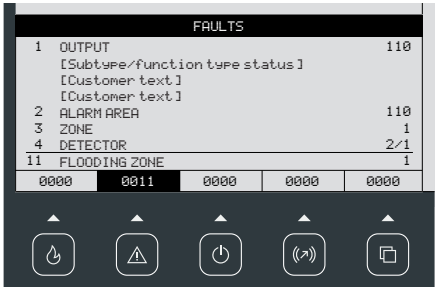
7. Confirm with the confirmation button .
8. The selected detectors of the detector zones can be operated together with the desired command.
 - Pressing the **ON** **23** button enables the selected range.
 - Pressing the **OFF** **24** button disables the selected range.
 - Pressing the  **25** button actuates or resets the selected range, depending on the current state.
 - Pressing the **...** **26** button indicates a list of all available commands for the selected range.

5.3 State lists



NOTE

Lists on the display are displayed in accordance with EN 54-2. The lists on the display vary depending on the programming, authorisation level or software version. Default programming is used for the examples.

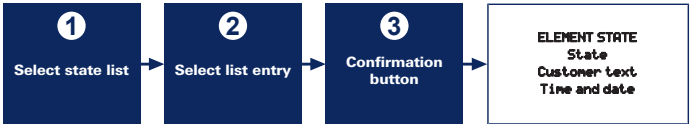


If one or more lists contain entries, the number of entries is shown in the list counter above the corresponding list buttons on the indication. The list with the highest priority is automatically indicated; the list counter of the indicated list is shown inversely.

Use the up or down arrow buttons to navigate through the list of entries. The currently selected message is indicated invertedly. If there are more messages than lines on the display, the last entry in the list is shown at the bottom.

Pressing the button indicates additional information, e.g. element subtype, date and time. The illuminated ring around the button flashes when additional information is available. The illuminated ring around the button lights up when the button is pressed and additional information is displayed. Press the button again to return to the previous view.

With locked operation, the element state of a selected element can be indicated in a state list using the confirmation button . Only the function type indicated in the state list can be selected.



It is not possible to return to the state list from the indication of the element state.

Further Information: [Chapter Query element state via state list, Page 43](#)

5.3.1 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.

1. Select element type: Pressing one of the buttons **27** – **30** selects the individual element types (depending on programming and authorisation level).
 - ▶ Select detector zones using the  **27** button.
 - ▶ Select outputs using the  **28** button.
 - ▶ Select Inputs using the  **29** button.
 - ▶ For all other element types which could not be selected by using one of the other buttons listed above, e.g. log printer, battery, use the **+** **30** button.
2. Press the buttons **14** – **18** to call up the respective list. The list entries are filtered according to the selected element type.

5.3.2 Query element state via state list

1. Use the up  or down  arrow buttons to select the element in the state list.
2. Press the confirmation button  to call up the indication of the element state.

It is not possible to return to the state list from the indication of the element state.

5.3.3 Warnings lists

Elements of the fire alarm system which are to be replaced trigger a service call message (the **Call service!** **35** LED lights up). Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state). The warnings list shows all elements that have triggered this message.

1. Pressing the  **18** button indicates additional lists.
2. Use the up  or down  arrow buttons to select the **WARNINGS** entry.
3. Confirm with the confirmation button .

6 Further operations

A fire alarm control panel may only be operated in accordance with the regulations by an authorised person. In authorisation level 1, the fire alarm control panel is protected against unauthorised operations. Apart from state queries, only a few operations are permitted. All other operations described apply for an operator with authorisation level 2 or higher.

6.1 Menu functions

(Depends on programming and authorisation level)

6.1.1 Cancel intervention mode

(Must always be available in authorisation level 1)



NOTE

This function cancels an ongoing intervention mode. The fire brigade is called.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the INTERVENTION OFF entry.
3. Confirm with the confirmation button .

6.1.2 Indicate contact details of the repair service

(Recommended authorisation level 1, always available)

The repair service function is used to indicate the customer text (maximum eight lines) assigned for the maintenance request element with element number 1 (contact details of the repair service).

1. Pressing the button   opens the menu for additional options.
 2. Use the up  or down  arrow buttons to select the REPAIR SERVICE entry.
 3. Confirm with the confirmation button .
- The configured contact details of the repair service are indicated.

6.1.3 Indicate version information

(Recommended authorisation level 1, always available)

The version numbers function is used to indicate the version information of the fire alarm control panel components.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the VERSIONS entry.
3. Confirm with the confirmation button .

If the list is longer than the indication area, you can scroll up  or down  in the list using the respective arrow buttons.

6.1.4 Indicate event log memory

(Recommended authorisation level 3, maintenance function for the fire protection officer)

This function can be used to indicate the contents of the event log memory. The function has no timeout and remains active until cancelled by a change of authorisation, a new event or by pressing any button.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the EVENTLOG entry.
3. Confirm with the confirmation button .

If the list is longer than the indication area, you can scroll up  or down  in the list using the respective arrow buttons.

6.1.5 Repeat printing of the log printer

(Recommended authorisation level 3, maintenance function for the fire protection officer)

The menu function PRINT REPEAT can be used to call up several print functions for the log printers of the fire alarm system.

6.1.5.1 Print event log memory of the fire alarm control panel

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the PRINT REPEAT entry.
3. Confirm with the confirmation button .
4. Use the up  or down  arrow buttons to select the log printer from the list.
5. Confirm with the confirmation button .
6. Use the up  or down  arrow buttons to select the EVENTLOG entry.
7. Confirm with the confirmation button .
8. The message area for the print repeat is indicated: one is the latest message number; the highest number is the oldest available message number. The arrow buttons and the buttons on the numeric keypad can be used to edit the message range for the print repetition, e.g. 1 – 10 prints the latest ten messages.
9. Confirm with the confirmation button . Printing begins.

6.1.5.2 Print active list views

All event lists that contain at least one entry can be printed. This can be used, for example, to print a list of all active disablements, for documentation purposes.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the PRINT REPEAT entry.
3. Confirm with the confirmation button .
4. Use the up  or down  arrow buttons to select the log printer from the list.
5. Confirm with the confirmation button .
6. All event lists with at least one entry are indicated. Use the up  or down  arrow buttons to select the desired event list for printing, e.g. FAULTS.
7. Confirm with the confirmation button .
8. Optionally, the event list can be filtered so that only the selected element types are indicated. Use the up  or down  arrow buttons to select a filter if needed, e.g. ZONE. With ALL TYPES the list is printed unfiltered.
9. Confirm with the confirmation button .
10. The message area for the print repeat is indicated: one is the latest message number; the highest number is the oldest available message number. The arrow buttons and the buttons on the numeric keypad can be used to edit the message range for the print repetition, e.g. 1 – 10 prints the latest ten messages.
11. Confirm with the confirmation button . Printing begins.

6.1.6 Setting the language of the indication area

(Recommended authorisation level 2, customer function for authorised staff)

The system language is defined in the system configuration or via the user authorisation password. This function can be used to change the language of the indication area. Only the languages installed in the system are available.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the LANGUAGE entry.
3. Confirm with the confirmation button .
4. Use the up  or down  arrow buttons to select the desired language from the list of installed languages.
5. Confirm with the confirmation button .

6.1.7 Set date and time

(Recommended authorisation level 3, maintenance function for the fire protection officer)

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the DATE&TIME entry.
3. Confirm with the confirmation button .
4. Enter date and time using the buttons of the numeric keypad.
5. Confirm with the confirmation button .

6.1.8 Reset warnings

(Recommended authorisation level 3, maintenance function for the fire protection officer)

After replacing devices or batteries, the entries in the event list **WARNINGS** must be re-set using this function.

1. Pressing the button   opens the menu for additional options.
2. Use the up  or down  arrow buttons to select the WARNINGS RESET entry.
3. Confirm with the confirmation button .

6.2 Alarm counter and indication test

6.2.1 Query alarm counter

Briefly pressing the   button (for less than five seconds) indicates the current status of the global alarm counter and the revision alarm counter for the duration of the timeout.

6.2.2 Perform indication test

Pressing the   button for longer than five seconds triggers the indication test of the operating panel for as long as the button is pressed. During the indication test, a changing chessboard pattern is shown on the display, all LEDs and illuminated rings of the buttons flash and the signal tones for the indication test are activated. No events are processed by the operating panel during the indication test.

6.3 Indicate switching times for delay

Delay layers can be activated in the day/presence programme. The programmed times for automatically switching between daytime and night time operating modes can be displayed.

1. Press **+** button.
 2. Use the up **▲** or down **▼** arrow buttons to select the **DELAY LAYER** entry.
 3. Confirm with the confirmation button **○**.
 4. Enter the number of the element to be selected using the numerical buttons of the keypad.
 5. Confirm with the confirmation button **○**.
 6. Press **i** button.
- The list of weekdays with the programmed time is indicated for the switch-over. Use the up **▲** or down **▼** arrow buttons to navigate through the list of entries.



NOTE

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

6.4 Function type extinguishing zone – activate/reset revision mode

To carry out functional tests, the revision mode of an extinguishing zone can be activated manually via the operating panel. In contrast to activation via the keyswitch on the LED indication tableau, the revision mode can be activated or deactivated individually for each extinguishing zone. If the extinguishing zone is in revision mode, external outputs (e.g. fans, EDP) are not triggered.



DANGER

Valve outputs can trigger

The triggering of various valve outputs is still possible.

1. Press **+** button.
 - A list of other element types that cannot be selected via buttons appears. The list of element types depends on the planning and the authorisation level.
2. Use the up **▲** or down **▼** arrow buttons to select the **FLOODING ZONE** entry.

3. Confirm with the confirmation button .

- A list of possible function types for the element type extinguishing zone appears.

ELEMENT OPERATING				
FLOODING ZONE				
ALL TYPES				
ELEMENT SELF				
AUTOMATIC				
REVISION OPERATION				
ALARMPROCESSING				
0000	0000	0000	0000	0000

- Enter the number of the desired extinguishing zone using the buttons on the numeric keypad.
- Use the up  or down  arrow buttons to select the REVISION OPERATION entry.
- Confirm with the confirmation button . The button must be pressed within 15 seconds of selection, otherwise the selection of the function type must be repeated.

- The revision mode function type for extinguishing zone 1 has been selected and is in idle state.

ELEMENT OPERATING				
FLOODING ZONE				
REVISION OPERATION				
[Customer text]				
[Date and time]				
				1
				IDLE
0000	0000	0000	0000	0000

7. Press the button to activate the revision mode.

- The revision mode for extinguishing zone 1 is in active state.

ELEMENT OPERATING				
FLOODING ZONE				
REVISION OPERATION				
[Customer text]				
[Date and time]				
				1
				ACTIVE
0000	0000	0000	0000	0000

- If desired, select the revision mode function type for the extinguishing zone to reset the revision mode (see above).
- Press the  button to reset the revision mode.

- The revision mode for extinguishing zone 1 is back to idle state.

ELEMENT OPERATING				
FLOODING ZONE				
REVISION OPERATION				
[Customer text]				
[Date and time]				
				1
				IDLE
0000	0000	0000	0000	0000

6.5 Function type extinguishing zone – enable/disable automatic mode

To switch an extinguishing zone to manual mode, the automatic mode of the extinguishing zone can be disabled manually via the operating panel. In this mode, an extinguishing zone can only be triggered via manual call points. Triggering via automatic detectors is not possible.

1. Press **+** button.
 - ▶ A list of other element types that cannot be selected via buttons appears. The list of element types depends on the planning and the authorisation level.
2. Use the up **^** or down **v** arrow buttons to select the **FLOODING ZONE** entry.
3. Confirm with the confirmation button **O**.
 - ▶ A list of possible function types for the element type extinguishing zone appears.

ELEMENT OPERATING				
FLOODING ZONE				
ALL TYPES				
ELEMENT SELF				
AUTOMATIC				
REVISION OPERATION				
ALARMPROCESSING				
0000	0000	0000	0000	0000

4. Enter the number of the desired extinguishing zone using the buttons on the numeric keypad.
5. Use the up **^** or down **v** arrow buttons to select the **AUTOMATIC** entry.
6. Confirm with the confirmation button **O**. The button must be pressed within 15 seconds of selection, otherwise the selection of the function type must be repeated.
 - ▶ The automatic function type for extinguishing zone 1 has been selected and is in idle state.

ELEMENT OPERATING				
FLOODING ZONE				1
AUTOMATIC				IDLE
[Customer text]				
[Date and time]				
0000	0000	0000	0000	0000

7. Press the **OFF** button to disable the automatic mode for the extinguishing zone.
 - The automatic mode for extinguishing zone 1 has been disabled, manual mode is active.

ELEMENT OPERATING				
FLOODING ZONE				1
AUTOMATIC		OFF		
[Customer text.]				
[Date and time]				
0000	0000	0000	0000	0000

8. If a re-activation is desired, select the automatic function type for the extinguishing zone (see above).
9. Press the **ON** button to enable the automatic mode for the extinguishing zone again and bring it into idle state.
 - Automatic mode for extinguishing zone 1 has been activated again, triggering from automatic detectors is possible.

ELEMENT OPERATING				
FLOODING ZONE				1
AUTOMATIC		IDLE		
[Customer text.]				
[Date and time]				
0000	0000	0000	0000	0000

7 Fault messages

The **Fault**  LED indicates faults and the fault signal sounds. The  fault list indicates the faulty component with the element type, the element number, and, if available, the respective detector zone. Further Information: [Chapter Spontaneous fault messages, Page 32](#)

Pressing the **i** button indicates additional information, e.g. element subtype, date and time. The illuminated ring around the button flashes when additional information is available. The illuminated ring around the button lights up when the button is pressed and additional information is displayed. Press the **i** button again to return to the previous view.

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

7.1 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. Otherwise, notify the service company/customer service of the fire alarm control panel immediately and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state).

7.2 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. Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state).

7.3 Module fault active

Fault in active system, which is not caused by a connected element. The fault list indicates `MODULE ACT` with an error code (`xxx/nn`).

The system may be significantly affected. Immediately notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state, error codes).

7.4 Module fault passive

(fire alarm control panels Integral EvoxX M)

Fault in a redundant system on the passive side. The fault list indicates MODULE PAS with an error code xxx/nn.

The active system is not affected. Notify the service company/customer service of the fire alarm control panel and pass on the exact fault message (system type and number, customer number, messages, element type, element number, state, error codes).

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