SECURITON

SecuriFire

MIC Operating instructions

Imprint

Notice

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This document, T 811 083[1], is available in the following languages:

German	T 811 083 de
English	T 811 083 en
French	T 811 083 fr
Italian	T 811 083 it
Spanish	T 811 083 es
Swedish	T 811 083 sv

Current edition: Index d 18.04.2014 Rd

[1] Reference document: SecuriFire MIC Operating Instructions, V 1.0

Safety Information

Provided the product is deployed by trained and qualified persons in accordance with technical documentation T 811 083 and the danger, safety and general information in this technical documentation is observed, there is no danger to persons or property under normal conditions and when used properly.
National and state-specific laws, regulations and guidelines must be observed and adhered to in all cases.
Below are the designations, descriptions and symbols of general, danger, and safety information as found in this document.

Danger

If the danger information is not properly observed, persons and property may be endangered by the product and any other installation elements, or the product or installation elements may be damaged to the extent that malfunctions could represent a danger to persons and property.

- Description of which dangers can occur
- Measures and preventative actions
- How dangers can be averted
- Other safety-relevant information

Warning

The product may be damaged if the safety information is not heeded.

- Description of which damage can occur
- Measures and preventative actions
- How dangers can be averted
- Other safety-relevant information

Notice

The product may malfunction if this notice is not observed.

- Description of the notice and which malfunctions can be expected
- Measures and preventative actions
- Other safety-relevant information

Environmental protection / recycling

Neither the product nor product components present a hazard to the environment provided they are handled properly.

- Description of parts for which there are environmental issues
- Description of how devices and their parts have to be disposed of in an environmentally-friendly way
- Description of the recycling possibilities

Document history

First edition: Date 11.10.2010

Index „a“ Date 01.10.2011

Most important changes compared with first edition:

Section	New (n) / changed (c) / deleted (d)		What / Reason
• General	c	System texts updated	New firmware version

Index „b“ Date 20.10.2012

Most important changes compared with previous edition:

Section	New (n) / changed (c) / deleted (d)		What / Reason
• General	n	Inclusion of SecuriFire 500	New
	c	Main detector replaced by transmission unit	Adaptation
	c	Screenshots of the MIC display	Adaptation to standard template and firmware 7.3
• 1.1	d	Sentence deleted without replacement	IPEL not part of this document
• 9	n	Overview of “MIC menu”	New section
• 10	n	Overview of “Commands per element”	New section

Index „c” Date 14.05.2013

Most important changes compared with previous edition:

Section	New (n) / changed (c) / deleted (d)		What / Reason
• all	c	Languages de, en, fr, it: Document number previously T131463, new T811083	Administrative

Index „d” Date 18.04.2014

Most important changes compared with previous edition:

Section	New (n) / changed (c) / deleted (d)		What / Reason
• 3.3	n	Two figures with text	New
• 4.6	n/c	Icon with text	New/changed
• 7	n	Icon with text	New

Table of contents

1 General information

1.1 Validity

The following documentation is based on the following SecuriFire components:

- MIC11 mounting main indication and control map and MIC711 main indication and control map
- B5-MIC-PPE protocol printer
- Control panels for EAT32 and EAT64 detection zones

1.2 General information

These operating instructions describe the standard functions and the operating procedures which can be performed with the MIC11 and MIC711 main indication and control maps on the SecuriFire 3000, SecuriFire 2000, SecuriFire 1000 and SecuriFire 500 fire alarm control panels. The various functions can be modified based on customer-specific programming and the software version in use.

The graphics used in this document are screenshots from VirtualMIC and may differ slightly from the actual representation in the MIC display.

1.3 Compatibility notice

Notice

This document is valid for SecuriFire release package SRP2.0. If required, this document will be adapted to the software accordingly.

2 Overview of the MIC main indication and control map

The SecuriFire MIC main indication and control map is for display and operation of the SecuriFire 3000, SecuriFire 2000, SecuriFire 1000 and SecuriFire 500 fire alarm control panels.
From here all commands to the system can be initiated and all system states can be displayed. The indication and control map is either integrated in the door of a control unit or is mounted in its own map case (offset from the control unit).

Fig. 1 Overview of the MIC main indication and control map

Display elements (Section 3.2, 3.3)

(1) Operation LED
(2) Fire alarm LED
(3) General fault LED
(4) Energy fault LED (mains, battery)
(5) System fault LED
(6) Maintenance LED
(7) Disablements LED
(8) Delay LED
(22) Display

Control elements (Section 3.3, 3.4, 4.2, 4.3, 4.5, 5)

(9) Element operation key
(10) Lists key
(11) Event list key
(12) Configuration key
(13) Multiple selection key
(14) Back key
(15) Additional info key
(16) SecuriWheel (scrolling/enter)
(17) Clear key
(18) Enter key
(19) Separator character key
(20) Discard code key
(21) Numerical keypad
(23) Reset buzzer key
(24) Reset alarm units key
(25) Reset system/alarm key

Pictogram (Section 2.1, 3.5, 3.6, 4.4, 5)

a Alarms
b Faults
c Disablements
d Triggers
e Buzzer reset
f Sirens reset
g Transmission unit
h Call fire brigade / Call service
i Alarm unit
j Fire protection equipment, control unit actuation
k Fire protection equipment, trigger feedback
l Fire protection equipment, fault feedback

Notice

The following lists the element numbers of the various displays and keys according to the legends in Section 2. For example: **Display** (22).

2.1 Overview of pictograms

The pictograms in the status bar are in the passive state and are visible only schematically. The pictograms for alarm and fault displays as well as for disablements and triggers include the current number of concerned elements.

a	Alarms		Lit when at least one alarm is active
b	Faults		Lit when at least one fault is active
c	Disablements		Lit when at least one deactivation is active
d	Triggers		Lit when at least one trigger is active
e	Buzzer reset		Lit when the detector buzzer is reset.
f	Sirens reset		Lit when the sirens are reset.
g	Transmission unit (TU)		Lit when the TU is deactivated.
			Lit when the TU is triggered.
			Lit when the TU is disturbed.
h	Call the fire brigade / service		TU fault or deactivated; fire brigade could not be called (this display has higher priority).
			Information for pending maintenance work.
i	Alarm unit (AU)		Lit when the AU is disturbed.
			Lit when the AU is deactivated.
			Lit when the AU has been triggered.
j	Fire protection equipment (FPE) Control unit actuation		Lit when the FPE is actuated by a control unit.
k	Fire protection equipment (FPE) Trigger feedback		Lit when the FPE feeds back the trigger.
l	Fire protection equipment Fault feedback		Lit if there is an FPE malfunction.

3 Displays and key functions

3.1 Indication and control map audible

The SecuriFire MIC has five different signal sounds:

Alarm:	3 kHz (high tone), 100 ms On / 100 ms Off
Fault:	800 Hz (low tone), continuous tone
Acknowledge time:	800 Hz (high tone), 140 ms On / 140 ms Off
Inspect time:	4 x (800 Hz, 60 ms On / 60 ms Off), 400 ms Off
Display test:	3 kHz 300 ms / 800 Hz 300 ms

3.2 Operation and fault displays

The operation and fault displays (1) to (8) give you an overview of the current system state.

Fig. 2 Operation and fault displays

The green **Operation** LED (1) indicates the operational readiness of the system. A dark LED means concurrent mains and emergency power supply failure.

A fire alarm message is indicated on the fire alarm system both optically and audibly. The red **Fire alarm** LED (2) flashes, the indication and control map audible sounds, and on the **Display** (22) the detection zone, message number and the number of received alarms are shown.

The yellow **General fault** LED (3) flashes when the control unit is operating properly and a fault occurs. The LED is lit if there is a system fault (e.g. process fault, component failure, etc.).

The yellow **Energy fault** LED (4) flashes in addition to the Fault LED if a fault is detected in the emergency power supply (defective battery etc.) or in the mains voltage (power failure etc.).

The yellow **System fault** LED (5) flashes additionally if there is a system fault (e.g. process fault, component failure, etc.).

The yellow **Maintenance** LED (6) is lit as soon as at least one element of the system is switched to maintenance.

The yellow **Disablements** LED (7) is lit as soon as at least one element of the system is switched off

The yellow **Delay** LED (8) is lit as soon as the delay switch becomes active (day operation).

3.3 Display and keys for concentrated operation

Concentrated operation of the SecuriFire system is mainly by means of keys and elements (9) to (22). For security reasons it is necessary to enter an authorisation code for most operation procedures (see Section 4.1).
A complete overview of the MIC menu structure and the menu commands is provided in Sections 9 and 10.

Fig. 3 Display and keys for concentrated operation

Display

The display is divided into five areas:

Top bar: Here you find general information such as the system name (plannable), the current user level, date and time. The current navigation level is also displayed.
Navigation area: The elements of the current navigation level are displayed here as a list. You can navigate the list using the scroll wheel and Escape key.
Info area: Information about the currently selected element are show here (e.g. switching state).
Notice line: Brief information is shown here (e.g. quick access number with keyboard entry).
Status line: Alarms, faults, and other device states are displayed here using pictograms.

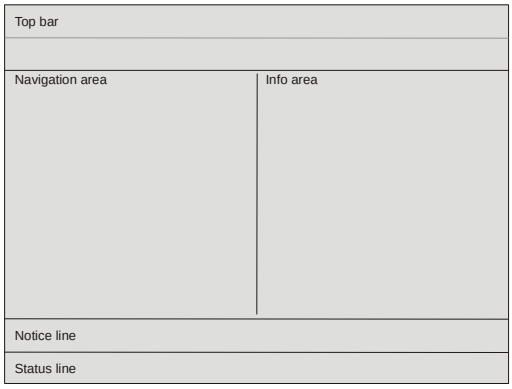

Fig. 4 Display

The VGA LCD has a resolution of 320 x 240 pixels and shows system states alphanumerically and graphically. In standby the display shows “SecuriFire” (plannable) and the date and time.

The representation of the system states is compliant with EN 54-2; the type of representation can, however, be varied to some extent (depending on the country-specific planning).

In the last line of the display, i.e. the status line, the number of all pending alarms, faults, deactivations and triggers are always displayed using pictograms.

Fig. 5 Display

Clicking the **Lists** key (10) lets you select a list from the navigation area. With the SecuriWheel you can browse the list entries; the last list entry (EN 54-2 compliant) is always shown statically in the last line. The number of list entries is specified by corresponding numbers next to the list. If no key is pressed for a while, the list with the highest priority (e.g. alarms) is shown automatically. The current operation mode is displayed top left in the top bar with a pictogram.

Element operation

The **Element operation** key (9) takes you to a list of other functions whose content depends on the system programming and the current authorisation level.
You can select the displayed functions with the SecuriWheel.

Fig. 6 Element operation

Authorisation

You can enter the access code for a higher authorisation level by pressing the **Element operation** key (9) followed by selecting “AUTHORISATION” from the list that appears using the SecuriWheel.
Once you are at a level higher than 1 it is displayed in the middle of the top bar of the display (see also Section 4.1).

Fig. 7 Authorisation

Event memory

Pressing the **Event memory** key (11) followed by selecting the “ALARM COUNTER” entry with the SecuriWheel from the list that appears will display the number of all alarms that have occurred up to now.

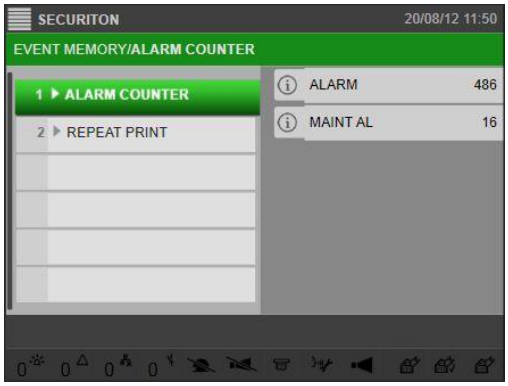

Fig. 8 Event memory

Configuration

You can change the display language by pressing the **Configuration** key (12) followed by selecting the “LANGUAGE SEL.” entry from the list that appears using the SecuriWheel.

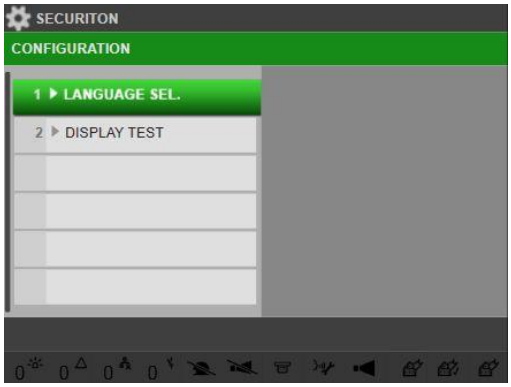

Fig. 9 Configuration

Concentrated operation

Concentrated operation enables targeted scanning and changing of the states of all elements within the FAS.
After pressing the **Element operation** key (9) followed by selecting the “ELEMENTS” entry, you can choose “ZONE”, “OUTPUT”, “INPUT”, “PRINTER” etc. using the SecuriWheel.
Afterwards, a window opens in the right half of the display prompting you to enter the element number using the **Numerical keypad** (21).
When the element is selected, the current state is displayed in the info area of the display ❶.
If it is present, the location info of the element appears. ❷
If you select the element again, the state can be changed with the entries “TURN ON”, “TURN OFF”, “RESET” etc.

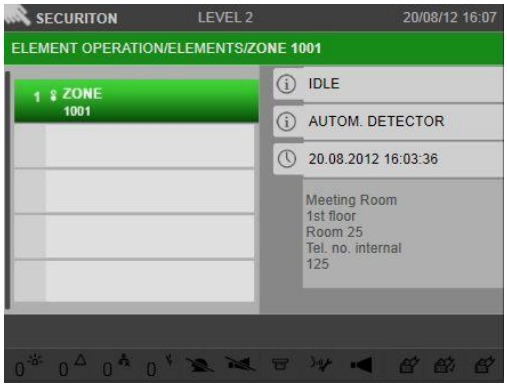

Fig. 10 Concentrated operation

Info

Additional information about the cause of an even appears in the info area of the display with the individual list entries (e.g. ALARM, FAULT, OFF or TRIGGER).

The information about the selected element includes:

- Element subtype
- Element state
- Date and time since the occurrence of the element state.

Pressing the **Additional info** key (15) shows the information in a separate window.

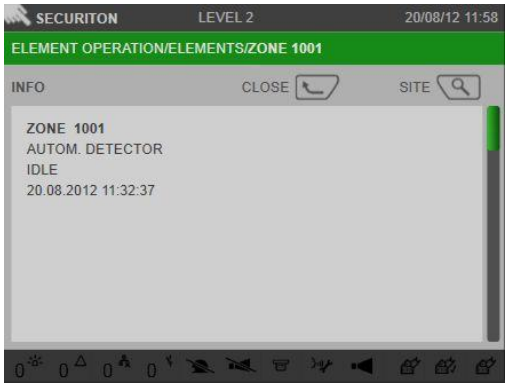

Fig. 11 Info

Site info

An individual object text of max. 3 lines can be assigned to each element (e.g. Meeting Room, 1st floor, room 25); this is shown in the location info area of the display ❷.

Pressing the **Additional info** key (15) shows the information in a separate window.

If, in addition to the object text, “Object text information” was entered (e.g. Tel. no. internal 125), it is displayed in the window view.

Fig. 12 Site info

Detector element type

Detectors are not their own element types as such but rather are subsumed under the type ZONE. A detection zone is represented by a whole number; a detector is represented by two numbers separated by “/”.
Example:

ZONE 1001	Detector zone with number 1001
ZONE 1001/2	Detector with number 1001/2

Notice

- Like other element types, an individual object text can be assigned to the detector.
- In the event of an alarm, the detector number and detector text are displayed.
- If there is no object text for a detector, the zone text is shown.

Example of turned-off state:

Detection zone 1001 is turned off, meaning all detectors in this detection zone are turned off.

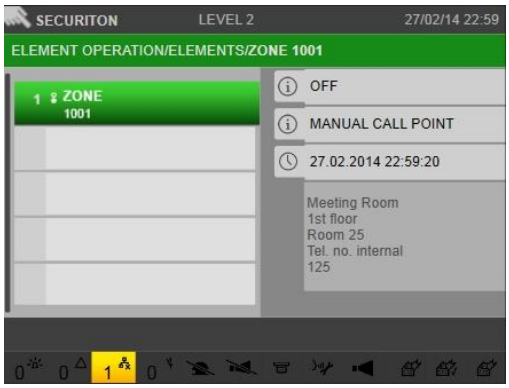

Fig. 13 Detection zone state

Detector 001 in detection zone 1001 is turned off. The remaining detectors in this detection zone are turned on.

Fig. 14 Detector state

3.4 Displays, keys and functions when there is an alarm

In this section we describe the displays, keys (23), (24) and (25) and some functions that are particularly relevant when there is a fire.

Fig. 15 Displays, keys and functions when there is an alarm

Fire alarm LED (2)

A fire alarm message is indicated on the fire alarm system both optically and audibly. The red **Fire alarm** LED (2) flashes, the indication and control map audible sounds, and on the **Display** (22) the detection zone, message number and the number of received alarms are shown.

Reset buzzer (23)

The **Reset buzzer** key (23) deactivates the indication and control map audible; any subsequent alarm or fault signal activates it again. Deactivation of the indication and control map audible is possible regardless of the authorisation level (operation enablement).

Reset alarm units (24)

The **Reset alarm unit** key (24) deactivates the sirens. It is reactivated when the next alarm occurs. Pressing the key a second time switches the sirens on again.

Reset system/alarm (25)

With the **Reset system/alarm** key (25) you reset all alarms of the fire alarm system all at once. If the alarm criteria has not been eliminated (e.g. smoke is still present, manual call point not reset etc.), the alarm will be displayed again in 30 s.

Fig. 16 Delay

Delay

Pressing the **Element operation** key (9) and selecting the “Delay” entry delays forwarding a fire alarm by a certain amount of time (e.g. to reduce the incidents of false alarms).
The delay time is planned for each detection zone. Each detection zone can be assigned one of sixteen delay levels. Which detection zones are assigned to a delay level is determined during planning and cannot be changed in normal operation.
When the delay switch is active (day program), the **Delay** LED (8) is lit. When the night program is active, the delay is deactivated the LED is unlit. If the LED does not change from unlit to lit, the feature is not planned.

Inspect

In the event of a fire alarm, pressing the **Element operating** key (9) activates the “INSPECT” function (intervention switch). This permits the operator a pre-defined amount of time to verify the fire and undertake any counter measures before the transmission unit is automatically triggered and the alarm is transmitted to the fire brigade. The inspect time must always be discussed with the responsible fire brigade or intervention personnel and is permanently planned. A prerequisite for the inspect function is an activated delay function.

3.5 Transmission unit

The following pictograms provide information necessary for the functioning of the “Transmission unit”. The transmission unit (EN 54-1 compliant) establishes a connection between the fire alarm system and the alarm reception unit of an alarm service. As a rule, the fire alarm system is connected to a transmission unit which is linked to the fire brigade or to a security service via a dedicated line. The state of the transmission unit is indicated by 4 pictograms.

The red “trigger” pictogram is lit if the transmission unit is activated, i.e. when the fire brigade has been called.

The yellow “fault” pictogram is lit if actuation of the transmission unit is disturbed.

The red “call fire brigade” pictogram is lit when there is an alarm if the fire brigade cannot be automatically notified (transmission unit not activated, disturbed or switched off).

The yellow “deactivation” pictogram is lit if the transmission unit is deactivated.

3.6 Alarm unit (sirens)

The following pictograms provide information necessary for the functioning of the “Alarm unit”. Actuated by the fire alarm system, the alarm unit (EN 54-1 compliant) consists of audible and optical alarm devices which serve to signal fire alarms. The state of the alarm unit (e.g. monitored sirens) is indicated by the following pictograms:

The red **trigger** pictogram (i) is lit if the alarm unit is activated (sirens are actuated).

The yellow **fault** pictogram (i) is lit if actuation of the alarm unit is disturbed.

The yellow **deactivation** pictogram (i) is lit if deactivation has been activated.

Pressing the **Reset alarm unit** key (24) deactivates the sirens; they are reactivated when the next alarm occurs. Pressing the key a second time switches the sirens on again.

The yellow **Sirens reset** pictogram (i) is lit if the sirens are deactivated.

4 The most important operating procedures

4.1 Authorisation

The operation menu can be individually planned for each MIC indication and control map. Also, each user is assigned an authorisation level by means of which the functional scope is controlled.
If the access code is not entered, the system is at the lowest authorisation level 1, with which by default only the following operations are possible:

- Deactivate the indication and control map audible
- Display alarm counter
- Browse the alarm, fault, deactivation, trigger lists etc.
- Call up information about an element (site info, state, event time etc.)
- Select language
- Display test
- Repeat printing

An authorisation code must be entered for all other operation and display procedures:

After pressing the **Element operation** key (9) and selecting the “AUTHORISATION” entry, you can change the access level by entering an authorisation code on the numerical keypad and pressing the SecuriWheel.

If no key is pressed within a certain amount of time, it switches back to the default level.
Any level higher than 1 is displayed in the top bar.

Pressing the **Discard code** key (20) switches back immediately to level 1.

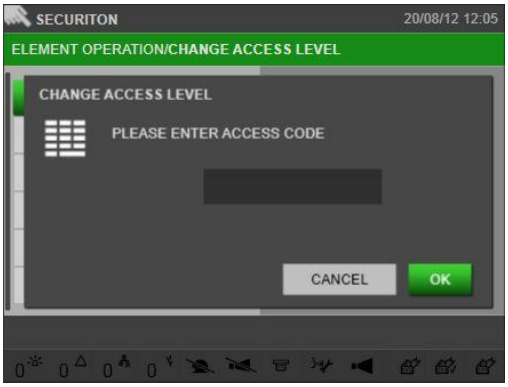

Fig. 17 Authorisation

4.2 Activate delay

When this function is programmed, the automatic forwarding of a fire alarm to the fire brigade can be delayed by pressing the **Element operation** key (9) and selecting the “DELAY” entry.

Activation of the delay function is a prerequisite for activating the inspect function.

Fig. 18 Activate delay

4.3 Activate inspect (intervention switch)

A prerequisite for the inspect function is an activated delay switch (see 4.2).

In the event of an alarm, pressing the **Element operation** key (9) and selecting the “INSPECT” entry activates a programmed time in which the operator can find the cause of the alarm and reset it if necessary before it is forwarded to the fire brigade.
During this procedure, the audible is active for the inspect time (see Section 3.1). The audible for acknowledge and inspect time cannot be switched off with the **Reset buzzer** key (23).
The blue field is only shown if an inspect time is running. The blue bar shows the percent of inspect time remaining. The minutes show the remaining time. The left number on the blue bar shows the overall inspect time.

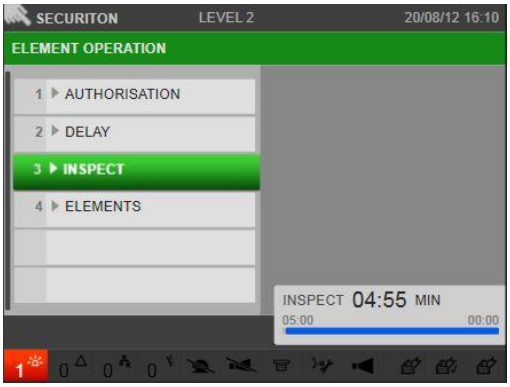

Fig. 19 Activate inspect

4.4 Reset sirens

The **Reset alarm units** key (24) deactivates the sirens. They are reactivated when the next alarm occurs. Pressing the key a second time switches the sirens on again.

4.5 Reset indication and control map audible

To deactivate the indication and control map audible, press the **Reset buzzer** key (23). Each subsequent alarm or fault signal activates the audible again.
Deactivation of the indication and control map audible is possible regardless of the authorisation level (operation enablement).

4.6 Reset faults

Every fault is indicated by a flashing LED (3). The indication and control map audible sounds, and on the display the element type, element number and the number of received fault messages are shown.

Fig. 20 Faults display

Fig. 21 Reset faults

If the fire alarm system is concurrently in alarm status, the alarm list is shown on the display. The fault list can viewed with the **Lists** key (10) and selecting the “Faults” entry.
You can browse all list entries in the fault list using the SecuriWheel. The last list entry is always shown statically in the last line (standards compliant).
After pressing the **Additional info** key (15), additional information appears about the cause of the fault message (e.g. main siren, DB fault). The additional information is displayed under the date and time.

Reset fault audible

To reset the fault audible, press the **Reset buzzer** key (23).

Reset fault

As soon as the cause for a fault message has been removed, the fault is automatically reset or must be manually reset (element dependent and plannable).

To reset the fault, press the **Reset system/alarm** key (25).

4.7 Switch elements on/off

Concentrated operation enables targeted polling and changing of states of all activated elements. You must enter an authorisation code to do this. You can select individual element types by pressing the **Element operation** key (9) and then selecting the “ELEMENTS” entry. Now you can choose “ZONE”, “OUTPUT”, “INPUT” etc.:

- Detection zones with the “ZONE” entry
- Additional external signal units with the “INPUT” entry
- Controls with the “OUTPUT” entry
- All other element types (e.g. PRINTER, BATTERY etc.) can be selected via further entries; the list of element types depends on the planning and on the current authorisation level.

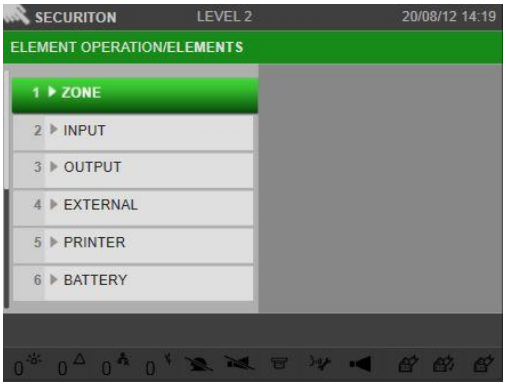

Fig. 22 Switch elements on/off

Fig. 23 Numerical keypad

- Using the **Numerical keypad** (21) you can enter the element number for the previously selected element type and confirm with the SecuriWheel.
- An element number is in the range of 1 to 65535.
- If there is only one element of an element type, no element number has to be specified.
- If a single detector of a detection zone is to be operated (possible only for individually addressable detectors), the detector number must be entered (separated by a slash → * key) in addition to the element number. The detector number is always entered as second number after the element number and is in the range of 0 to 254.
- With the **Multiple selection** key (13) you can change the state of several elements (e.g. ZONE 1 to ZONE 2) with one procedure.

“TURN OFF” switches the element off.
“TURN ON” switches the element on.

Additional commands are displayed depending on the planning and the current authorisation level. Commands are selected with the SecuriWheel.

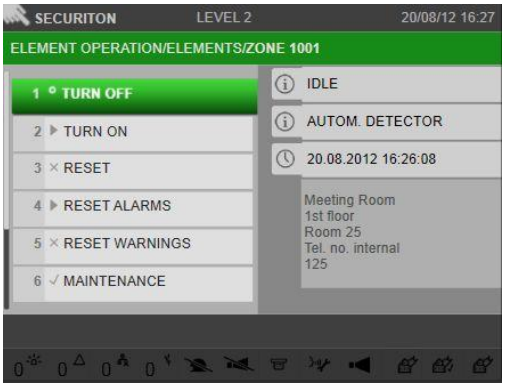

Fig. 24 Switch elements on/off

4.8 Setting date and time

To set the date and time, press the **Configuration** key (12) and then use the SecuriWheel to select the “DATE & TIME” entry in the list that appears.
Now you can re-enter the date and time and complete your entry by pressing the SecuriWheel.

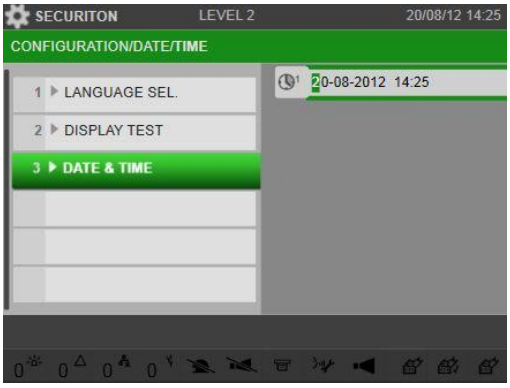

Fig. 25 Date/time

4.9 Display state lists

Select the individual element types by pressing the **Lists** key (10) and then **Back** (14). Now you can select “ZONE”, “OUTPUT”, “INPUT” etc.
After selecting an entry (“ALARMS”, “FAULTS”, “DISABLEMENTS”, “TRIGGERS” etc.), only the elements of the selected type are displayed.
If this or another list is selected again, all element types are displayed.

Fig. 26 State lists

4.10 Display of changeover times for delay

Provided a delay is programmed, the programmed times for automatic changeover between day and night operation can be shown on the display:
After pressing the **Element operation** key (9) and selecting the “ELEMENTS” entry, choose the “DELAY LAYER” function.
After pressing the **Additional info** key (15) the first column of the day of the week appears; this is followed by the changeover time from night to day operation, and in the last column is the changeover time from day to night operation.

Fig. 27 Changeover times

Notice

In some countries the automatic changeover from night to day operation is not permitted.

5 Operation in the event of an alarm (summary)

Notice

In order to follow the instructions below for an alarm event sequence, the “Delay” function must be programmed and active (see Section 4.2).

Fire alarm

In the event of a fire alarm, the **Fire alarm** LED (2) flashes red, the indication and control map audible and sirens sound, and on the **Display** (22) the detection zone, message number and the number of received alarms are shown.

The audible acknowledge time is also active (see Section 3.1). If the function “INSPECT” is not selected within the acknowledge time, the transmission unit is activated automatically and the alarm is forwarded to the fire brigade.

Fig. 28 Fire alarm

Activate inspect

If the function “INSPECT” is selected within the acknowledge time, the transmission unit activation is delayed by the programmed inspect time.
Within the inspect time the cause of the alarm can be explored. When the inspect time expires or as soon as a second detector triggers an alarm, the fire brigade is alarmed (plannable).

Fig. 29 Fire alarm

Reset alarm

If it is determined within the inspect time that there is no fire, you can reset the alarm by pressing the **Reset system/alarm** key (25) without alarming the fire brigade. Prerequisites for this:

- the  pictogram (transmission unit trigger) is not lit
- the authorisation code for operating the system has been entered
- the cause of the detector trigger has been taken care of (otherwise the alarm will signal again!)

Genuine fire alarm

If a genuine fire is detected, the fire brigade must be notified immediately. This is done, for example, by triggering a manual call point!

Triggered transmission unit

If the pictogram for the transmission unit trigger is lit, the fire brigade has already been alarmed!
Do not press any more keys, wait for the fire brigade to arrive, and in the meantime prepare the plans for the fire brigade!
If the delay function has not been activated or if a manual call point was pressed, the alarm is forwarded immediately to the fire brigade!

6 Protocol printer (optional)

6.1 Switch printer on/off

The protocol printer can be switched on and off as needed. However, an authorisation code is required to do this.

Switch printer off

After pressing the **Element operation** key (9), scroll the list until “Printer” appears and select with the SecuriWheel.
Enter the element number of the printer (e.g. 1) and confirm the selection.
Now the state of the printer is shown on the display (“IDLE”). If the printer is selected again it can be switched off with the “TURN OFF” function.

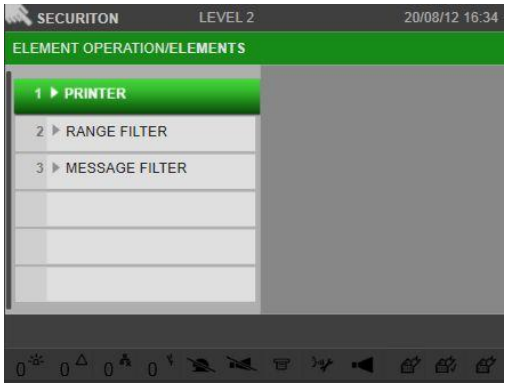

Fig. 30 Printer

Switch printer on

After pressing the **Element operation** key (9), scroll the list until “PRINTER” appears and select with the SecuriWheel.
Enter the element number of the printer (e.g. 1) and confirm the selection.
Now the state of the printer is shown on the display (“OFF”). If the printer is selected again it can be switched on with the “TURN ON” function.

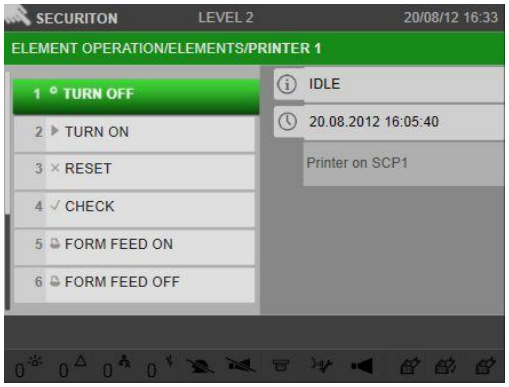

Fig. 31 Printer

6.2 Print repeat

To repeat printing, press the **Event memory** key (11) followed and then use the SecuriWheel to select the “PRINT REPEAT” entry in the list that appears.
A list of all protocol printers connected to the system appears in the display; you can select a printer from the list using the SecuriWheel.
After confirmation with the SecuriWheel, another list appears in which all of the available types of printing are listed (EVENT MEMORY, TRIGG. MEMORY, ALARMS, FAULTS, DISABLEMENTS etc.). After selecting the type of printing and confirming with the SecuriWheel, printing takes place on the selected printer.

Fig. 32 Printer

6.3 Change printer paper

- Tear off printed paper strips
- Press down on the top edge of the printer cover and lift to the front
- Slightly raise the roll holder with the old paper core and pull out to the front
- Carefully remove old paper remnants
- Place the roll holder in the new roll of paper and re-insert
- Insert the paper into the paper feed slit
- Enter authorisation code
- Press the **Element operation** key (9), select “PRINTER”, enter printer number and confirm with SecuriWheel
- Select the printer again, select “FORM FEED ON” and then wait until the paper strips are visible on the front side
- Select “FORM FEED OFF” and confirm with SecuriWheel
- Insert paper through the slit in the cover
- Re-mount the printer cover

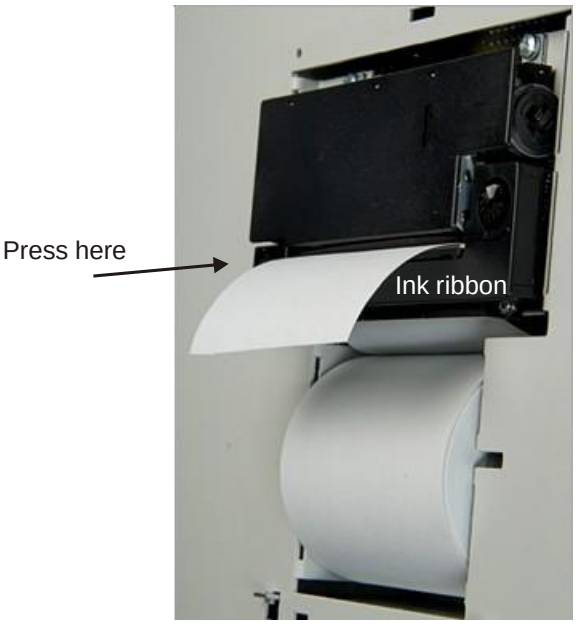

Fig. 33 Change printing paper

6.4 Replace ink ribbon

- Press down on the top edge the printer cover and lift to the front
- Tear off paper strips and pull out about 3–5 cm
- Remove old ink ribbon (press the left side)
- Insert paper through the new ink ribbon and re-insert
- Tension the ink ribbon by turning the rotary knob (right) in the direction of the arrow
- Insert paper through the slit in the cover
- Re-mount the printer cover

7 Change detector

- Replace defective or soiled detector with a new one
- Wait for FAULT LOOP CONFIGURATION
- Enter authorisation code

Fig. 34 Detector change

- Press the **Lists** key (10) and select “FAULTS”
- Select LOOP

- MAP ADDRESS command

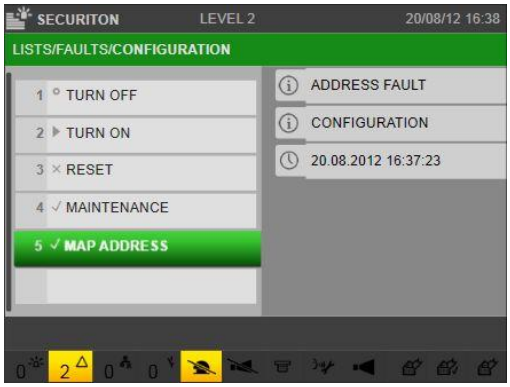

Fig. 35 Detector change

- Press the **Reset system/alarm** key (25)

If the detector has been changed due to soiling being signalled (CHANGE! state), then the “Call the service” pictogram remains active.
In this case, press the **Lists** (10) key and select “WARNINGS”, then execute the RESET command for the corresponding warning.

8 LED control panel for detection zones (optional)

In addition to the SecuriFire MIC, LED control panels are available which can be mounted in the door of the control unit or in its own map case offset from the control unit.
Every detection zone can be assigned a red LED (flashes if alarm) and a yellow LED (lit if fault, flashes if deactivated). Insertion strips are used to label the detection zones.

LED control panel with state displays for 64 detection zones

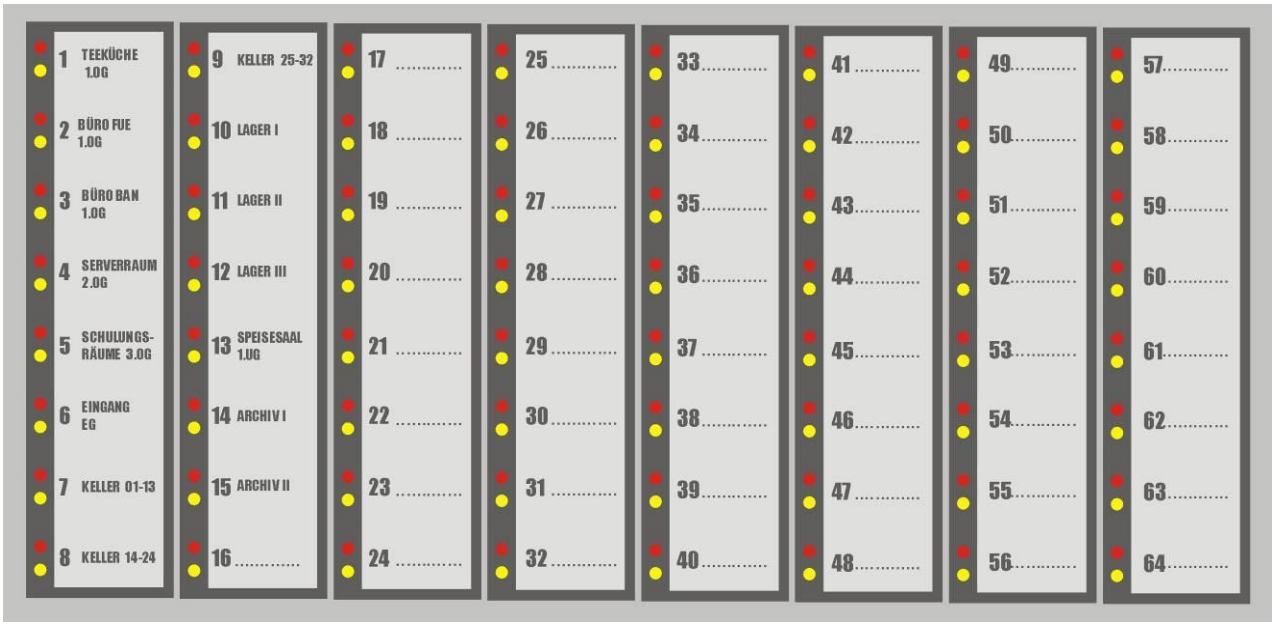

Fig. 36 LED control panel for detection zones

9 Overview of the “MIC menu”

The following overview shows all possible navigations and commands of the SecuriFire MIC.

Element operation, Event memories, Configuration Menu options are displayed in SecuriFire Studio depending on configuration		
AUTHORISATION		CHANGE ACCESS LEVEL
DELAY	► 1	
INSPECT		*Start the inspect time (only when delay time is running)*
ELEMENTS	► 2	
ALARM COUNTER	► 3	
REPEAT PRINT	► 4	
EVENT MEMORY (nbr.)		*List of elements with event (type and date/time)*
TRIGG.MEMORY (nbr.)		*List of elements with event (type and date/time)*
VERSIONS NUMBERS	► 5	
LANGUAGE SEL.		*System language selection*
DISPLAY TEST		*Test display, LED and buzzer*
DATE & TIME		*Set date and time*
SERVICE	► 1	*Date and time, SERVICE fault message*
LOCK OUTPUTS	► 6	
RESET WARNINGS		*Reset warnings*
RESTORE		*Downgrade planning*
TRANSMISSION UNIT		OUTPUT X ► 7
ALARM UNIT		OUTPUT Y ► 7

Explanations
Text in CAPS is MIC text
► Submenu at displayed number
*LC: Language code (e.g. EN = English)

Lists **Only lists with currently pending events are displays**		
ALARMS (nbr.)	Element type	► 2
FAULTS (nbr.)	Element type	► 2
DISABLEMENTS (nbr.)	Element type	► 2
TRIGGERS (nbr.)	Element type	► 2
ACTIVATIONS (nbr.)	Element type	► 2
WARNINGS (nbr.)	Element type	► 2
TIME LAYERS (nbr.)	DEL-LAYER (No)	► 2
PRE-SIGNALS (nbr.)	ZONE	► 2

► 1
TURN OFF
TURN ON

► 2			
ZONE	► 8		
INPUT	► 9		
OUTPUT	► 7		
EXTERNAL	► 11		
PRINTER	► 12		
OPERATING PANEL		ACOUSTIC	►13
BATTERY	► 14		
230V/+24V		RESET	
SCP/MIC			
DELAY LAYER	► 15		
INTERVENTION		RESET	
LOOP	► 16		
EXTIN-AREA	► 20		
MANAGEMENT SYSTEM	► 23		
CONNECTION			
External system (e.g. ESP/	► 10		

► 3
ALARM (nbr.)
MAINT AL (nbr.)

► 4
EVENT MEMORY (nbr.)
TRIGG.MEMORY (nbr.)
ALARMS (nbr.)
FAULTS (nbr.)
DISABLEMENTS (nbr.)
TRIGGERS (nbr.)
ACTIVATIONS (nbr.)
WARNINGS (nbr.)
TIME LAYERS (nbr.)
PRE-SIGNALS (nbr.)

► 5	
SYSTEM	Text standby display
	SCP/MIC + No.
	IP Adresse + No.
	SWPAKET s + No.
	SWPAKET + No.
PROJDAT	PROJDAT s + No.
	PROJDAT + No.
CONFDAT	CONFDAT s + No.
	CONFDAT + No.
STDTXT *LC	STDTXT s + No.
	STDTXT + No.
OBJTXT *LC	OBJTXT s + No.
	OBJTXT + No.
MCB	MCB-HW + No.
	MCB-SW + No.
Board/unit	Display as under MCB

► 6
ON
OFF
STATE

► 7
TURN OFF
TURN ON
TRIGGER
RESET
MAINTENANCE
SIMULATE FAULT
REACTIVATE

► 8
TURN OFF
TURN ON
RESET
RESET ALARMS
MAINTENANCE
SIMULATE ALARM
SIMULATE FAULT
TURN OFF INTERNAL
EMERGENCY OFF
EMERGENCY ON

► 9
TURN OFF
TURN ON
RESET
MAINTENANCE
SIMULATE FAULT
SIMULATE ACTIVE
SIMULATE PREACTIVE

► 10
TURN OFF
TURN ON
TRIGGER
RESET
RESET ALARMS
CHECK

► 11
TURN OFF
TURN ON
RESET
ALARM RESET
MAINTENANCE
SIMULATE ALARM
SIMULATE FAULT
EMERGENCY OFF
EMERGENCY ON

► 12	
PRINTER	► 17
BEREICHSFILTER	► 1
MESSAGE FILTER	► 18

► 13
TURN OFF
TURN ON
RESET

► 14
RESET
CHECK

► 15	
DEL-LAYER	► 1
AUTOMATIC	► 1

► 16	
LOOP	►19
CONFIGURATION	►19
POWER SUPPLY	

► 17
TURN OFF
TURN ON
RESET
CHECK
FORM FEED ON
FORM FEED OFF
INITIALISE
NEW PAGE
RESET PAGE NUMBER
RESET MESSAGE NO.

► 18
TURN OFF
LEVEL 1 ON
LEVEL 2 ON
LEVEL 3 ON
LEVEL 4 ON

► 19
TURN OFF
TURN ON
RESET
MAINTENANCE
CHECK
MAP ADDRESS
STOP STARTUP

► 20	
EXTIN-AREA	►21
AUTOMATIC	► 1
MAINT. OPERATION	► 22

► 21
TURN OFF
TURN ON
RESET
RESET ACOUSTIC

► 22
TRIGGER
RESET

► 23
MANAG-SYS
AUTHORISATION
LOCAL OPERATION

Fig. 37 Overview of the “MIC menu”

10 Overview of “Commands per element”

The following overview shows the possible commands per element.

Element	Command	TURN OFF	TURN OFF	TRIGGER / SET	RESET	RESET ALARMS	ACOUSTIC RESET	RESET WARNINGS	MAINTENANCE	CHECK	SIMULATE ALARM	SIMULATE FAULT	TURN OFF INTERNAL	SIMULATE ACTIVE	REACTIVATE	REACTIVATE ACOUS.	FORM FEED ON	FORM FEED OFF	INITIALISE	NEW PAGE	RESET PAGE NUMBER	RESET MESSAGE NO.	LEVEL 1 ON	LEVEL 2 ON	LEVEL 3 ON	LEVEL 4 ON	ACOUSTIC OFF	ACOUSTIC ON	MAP ADDRESS	STOP STARTUP	FIC OFF	FIC ON	SIMULATE PREACTIVE	EMERGENCY OFF	EMERGENCY ON	SET CRITICAL	SILENT REVISION
ZONE(/DETECTOR)		X	X		X	X		s)	X	s)	X	X	X																				X	X		X
INPUT		X	X		X				X			X		X																			X				X
OUTPUT		X	X	X	X		s)		X		X				X	s)											s)	s)			s)	s)				X	
EXTERNAL		X	X	s)	X	X			X		X	X																					X	X			
PRINTER		X	X		X					X							X	X	X	X	X	X															
RANGE FILTER		X	X																																		
MESSAGE FILTER		X																					X	X	X	X											
OPERATING PANEL																																					
ACOUSTIC		X	X		X																																
RANGE FILTER		X	X																																		
BATTERY					X					X																											
230V/+24V					X																																
SCP/MIC	a)																																				
CONNECTION	a)																																				
DELAY LAYER		X	X																																		
FBP					s)		s)																														
INTERVENTION		X	s)		s)																																
MANAGEMENT SYSTEM	a)	s)	s)		s)																																
LOOP		X	X		X				X	X																		X	X							
CONFIGURATION		X	X		X				X	X																		X	X							
POWER SUPPLY		X	X		X				X	X																		X	X							
EXTINGUISHING AREA		X	X		X		X																														
REMOTE ACCESS				s)																																	
ALARM AREAS		s)	s)	s)	s)	s)	s)		s)			s)				s)	s)											s)	s)								
EXTERNAL SYSTEM		s)	s)	s)	s)	s)				s)																											

a) Via MIC only status display, no operation
s) Possible only via SecuriFire Studio / ServiceCenter

Fig. 38 Overview of “Commands per element”

11 List of figures