



OPERATION AND MAINTENANCE MANUAL

**Intelligent Interactive Analogue Addressable
Fire Alarm Control Panel**

SIMPO

Attention:

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

The information in this manual is a subject to change without notice!



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1. INTRODUCTION

1.1. General Description

SIMPO is an addressable fire panel with maximum coverage of 48 zones and connecting up to 2 loops. The panel supports communication protocol *Teletek Electronics (SIMPO TTE Loop)* and operation with SensolRIS addressable device series.



Every SIMPO TTE Loop provides up to 250 devices (detectors and modules, regardless of the type).

An arbitrary number of devices can be added to each zone thus ensuring the easy adaptation of the system to any type of configuration.

To avoid or significantly diminish problems when mounting the system, it must be carefully planned prior to installation. This includes: setting an address for every device and planning a name of maximum 40 digits (including the spaces) for each address, thereby ensuring easy access to the device.

According to the acting standards for establishing fire systems and the plan of the building, the devices must be grouped in zones.



1.2. General Specifications

The front panel consists of LCD module (4 rows x 40 symbols), functional buttons and system status LED indication. Separate access level passwords provide access to the functions of the panel.

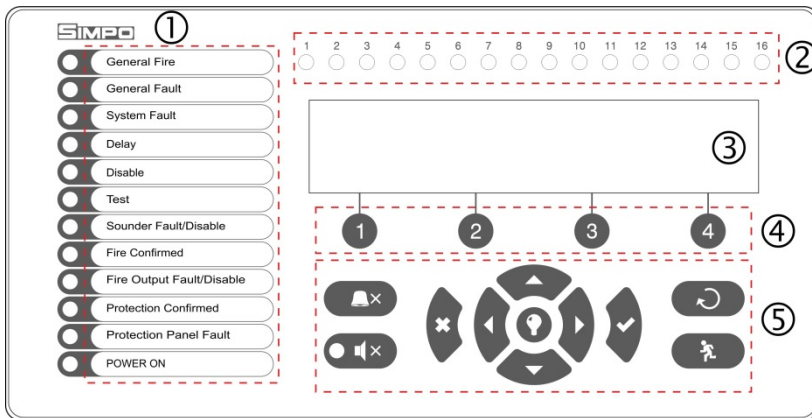
The fire alarm panel is designed on module structure as in the metal cabinet there are provided additional places for mounting of a second loop controller for Loop 2 (Loop 1 is built-in the main PCB), a communication module and redundant network module.

The panel has a built-in real time clock and calendar, allowing day and night time modes of work.

Switching over between the two modes can be automatic or manual. Events like FIRE, RESET, FAULT, etc., are saved in the memory, thereby creating an event log-file. It contains the time and date, the address of the device, the name of the device, the zone number, the name of the zone, etc.

1.3. Front Panel and Buttons

Description of the front panel elements:



- 1 – LED indication for the system status. The descriptions are printed on the paper label and can be changed if needed, including for language change. The paper label is placed in a special opening on the inner side of the indicator PCB, over the flat cable for the indication.
- 2 – LED indication for the used zones
- 3 – Letters and digits LCD-module (4x40)
- 4 – Functional digits buttons
- 5 – Control and navigation buttons

1 – Description of system status LED indication:

LED	Indication/ Description
GENERAL FIRE (red)	Lights on permanently in case of fire alarm event – fire alarm signal from an automatic or manual call point, or another auxiliary device connected to a panel input.
GENERAL FAULT (yellow)	Lights on permanently in case of fault event in the system.
SYSTEM FAULT (yellow)	CPU FAULT. Lights on permanently in case of main microprocessor fault.
DELAY (yellow)	Lights on permanently in daytime mode and set time delay for one or several outputs.
DISABLE (yellow)	Light on permanently in active disablement in the system.
TEST (yellow)	Light on permanently in system test mode.
SOUNDERS FAULT/ DISABLED (yellow)	The LED will be active in case of fault or disablement of the sounders' circuits. The indication is as follows: <ul style="list-style-type: none"> - Blinking in case of fault event in the sounder circuits. - Lighting on when the sounder circuits are disabled.
FIRE CONFIRMED (yellow)	FIRE ALARM CONFIRMATION. Lights on permanently in activation of the specialized "In AmC" input.
FIRE OUTPUT FAULT/ DISABLED (yellow)	The LED will be active in case of fault or disablement of the FIRE relay output. The indication is as follows: <ul style="list-style-type: none"> - Blinking in case of fault event. - Lighting on when the output is disabled.
PROTECTION CONFIRMED (yellow)	EXTINGUISHING STARTED CONFIRMATION. Lights on permanently in activation of the specialized "In PC" input.
PROTECTION PANEL FAULT (yellow)	EXTINGUISHING SYSTEM FAULT. Lights on permanently in activation of the specialized "In FP" input.
POWER ON (green)	MAIN POWER SUPPLY ON. Lights on permanently in presence of 230V main power supply.
SILENCE ALARM (yellow)	THE SOUNDERS ARE SILENCED. Lights on permanently when the sounders are silenced (the LED is situated next to the button).

2 – Description of the zone LED indication:

LED	Indication/ Description
Zone indicators (red) 1 - 16	FIRE IN A ZONE. Lights on permanently in case of fire alarm in zones 1-16. Blinking when zones 1-16 are in test mode. <i>Note: For zones from 17 to 48 there is no LED indication.</i>









3 – Description of the LCD-module

The SIMPO fire alarm addressable panel is equipped with letter-digit LCD-module (4 rows x 40 symbols). The user can enter device and zone names using the navigation and control buttons. The display has an adjustable backlight with 20 levels of intensity.






4 – Description of the functional digit buttons:

Button	Description
Functional digit buttons 1 - 4	Access level 1: - Review the current messages for events.
	Access level 2 (Maintenance): - Entering an access code. - Functional submenu entry. - Changing of value or parameter status.

5 – Description of control and navigation buttons:

Button	Action	Description
	Silence Buzzer	The button functionality is deactivation of the internal buzzer.
	Silence Sounders	The button functionality is deactivation of the sounders in case of fire alarm event. After pressing the button, the LED next to it is lighting in yellow.
	Reset	The button functionality is resetting the panel without switching off the main power supply.
	Evacuation	The button immediately activates the sounders – the sounder delay is ignored if present.
	Buzzer and LED general test	The button will activate all LEDs on the front panel – for events and zones, as and the internal buzzer. The next pressing of the button deactivates the test.
	ENTER (Confirmation)	Use the button to confirm the entered values and parameters; in the devices and zones menus use the button to enter in a submenu for name and status changing.
	CANCEL (Rejection)	Use the button to reject the entered values and parameters; one step back to the previous menu.
	Navigation buttons	Use the arrows to scroll over the menus; in maintenance menus the buttons has a specific function for changing values and switching between the editable fields.

The navigation buttons have the following functionalities in operation:

Button	Functions
	Menu entry; Confirmation of entered parameters and settings.
	Cancellation of entered parameters and settings; Step back in the menu structure.
	Scrolling between menus; Increasing values; Text entering.
	Scrolling between menus; Decreasing values; Text entering.
	Changing the editing fields.

2. OPERATION MODES

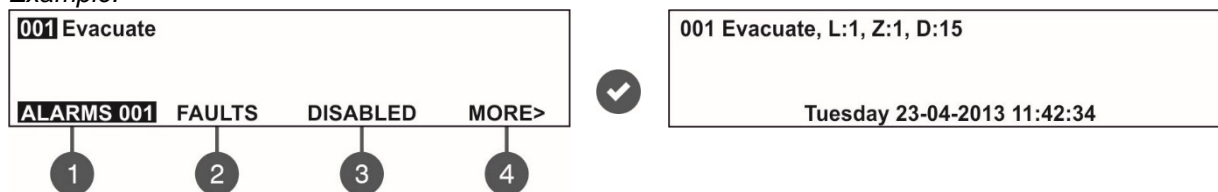
The regular users (access level 1) can review the current status of the panel for Alarm events, Troubles, etc, without entering special access code for operation. The regular users can silence the internal buzzer and send manually evacuation signal in those cases, when the fire alarm is received from a device.

Operation Mode	Description
ALARMS	Viewing the Alarms Messages in the system.
FAULTS	Viewing the Faults Messages in the system.
DISABLED	Viewing the active disablements in the system.
TESTS	Viewing the running tests in the system.
WARNINGS	Viewing the Warnings Messages in the system.
Silence buzzer	Deactivating Internal Buzzer.
Evacuation	Activating Evacuation alarm signal; the sounders will activate immediately overriding all introduced delays*. * Just for those cases, when the fire alarm signal is received from a device.
Test	General test for operability of all LEDs and internal buzzer.

2.1. Review of Alarm Events

The messages for alarm events are displayed with the highest priority in the system. In case of alarm in the system, the panel will show a list with active alarms at the moment, and ALARMS mode is blinking together with the number of the first alarm message. Over the button (1) is displayed the total number of the active alarms. The LED 'General Fire' lights on together with the number of the zone in alarm. The panel is signalling with continuous sound signal, which can be stopped with pressing the 'Silence buzzer' button. The activated sounders could be stopped after entering access level 2 (Maintenance mode) and pressing the 'Silence sounders' button.

Example:

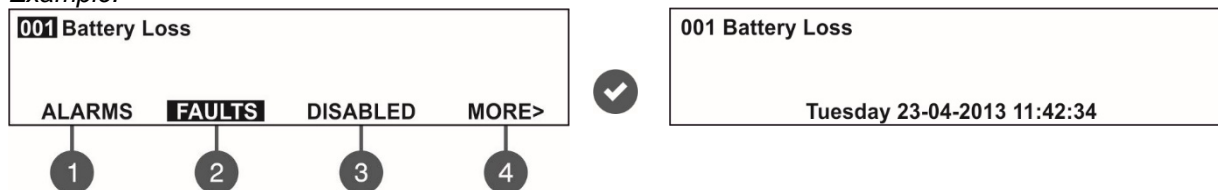


The User can review also some additional information for every of the alarm events. For this, select the number of the alarm message using up/ down arrow buttons (the number of the selected event is blinking) and press ENTER button. On the screen is displayed information for the loop number and the address of the activated device reported the alarm event. At the bottom of the screen is displayed the day and time of occurring of the respective event. Note that the additional information is different according the type of the alarm event. To exit the review alarm events mode, press CANCEL button.

2.2. Review of Fault Events

The messages for fault events are displayed with high priority. If no alarm events are present, and there are active faults in the system, the FAULTS mode is blinking together with the number of the first fault event. The LED 'General Fault' lights on. The faults messages are cleared automatically after the fault condition is restored.

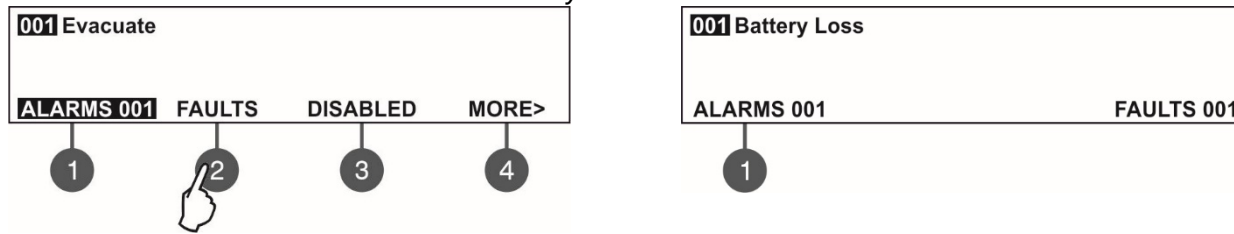
Example:



The User can review also some additional information for every of the fault events. For this, select the number of the fault message using up/ down arrow buttons (the number of the selected event is blinking) and press ENTER button. In case, there are active alarms in the system, but you want to review the fault messages, press button (2) – FAULTS mode. The present faults in the system are displayed with serial numbers. The reviewing is the same as described in

item 2.1. The total number of active faults is displayed at the bottom right corner of the screen. Use button (1) to go back to ALARMS mode and reviewing the alarm messages.

To review the FAULTS at active alarms in the system:

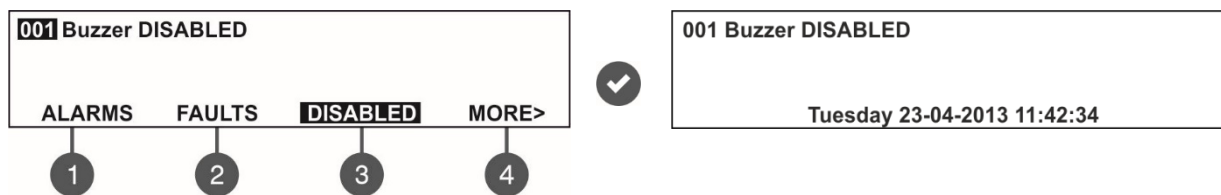


To exit the review fault events mode, press CANCEL button.

2.3. Review of Disablements

The messages for disablements are displayed with normal priority. If no alarm or fault events are present, and there are active disablements in the system, the DISABLED mode is blinking together with the number of the first disablement. The LED 'Disable' is lighting on.

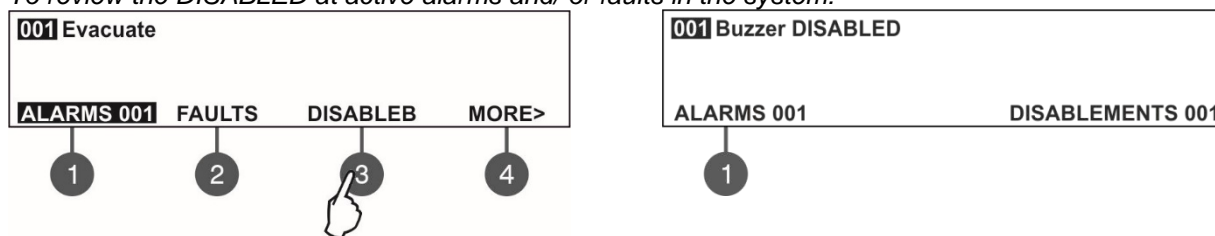
Example:



The User can review also some additional information for each of the disablements. For this, select the number of the disablement message using up/ down arrow buttons (the number of the selected event is blinking) and press ENTER button.

In case, there are active alarms and/ or faults in the system, but you want to review the disablements, press button (3) – DISABLED mode. The disablements in the system are displayed with serial numbers. The reviewing is the same as described in item 2.1. The total number of the introduced disablements is displayed at the bottom right corner of the screen. Use button (1) to go back to ALARMS mode and reviewing the alarm messages.

To review the DISABLED at active alarms and/ or faults in the system:



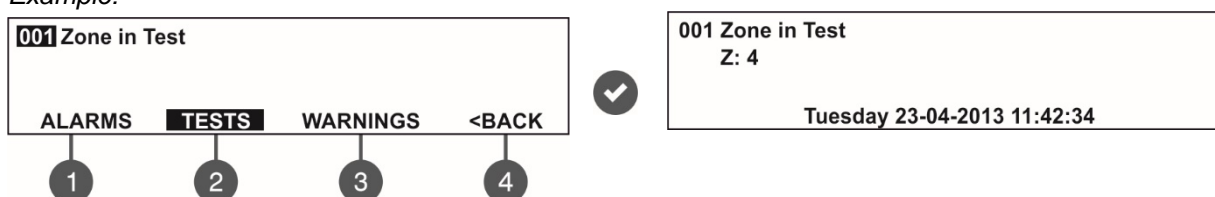
To exit the review fault events mode, press CANCEL button.

2.4. Review of Running Tests

The messages for running tests are displayed with normal priority. If no alarm or fault events or disablements are present, and there are active tests in the system, the TESTS mode is blinking together with the number of the first running test. The LED 'Test' is lighting on.

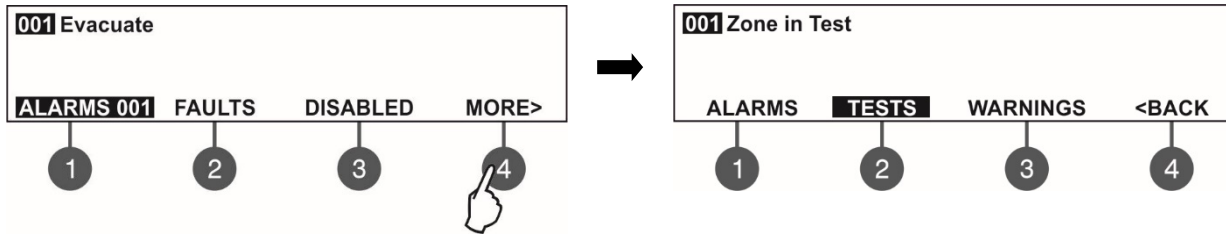
The numbers of the zones in test mode with activated detectors are blinking.

Example:

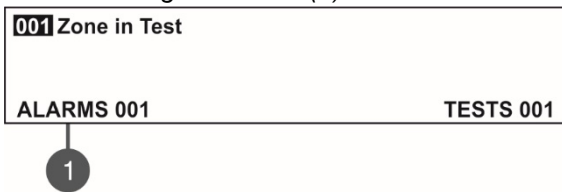


The User can review the number of the zone in test mode. For this, select the number of the zone using up/ down arrow buttons (the number of the selected event is blinking) and press ENTER button.

If, there are active alarms and/ or faults in the system and you want to review the running tests, press button (4) MORE>> – TESTS mode is blinking. The tests running in the system are displayed with serial numbers. The reviewing is the same as described in item 2.1. The total number of the running tests is displayed at the bottom right corner of the screen. Use button (1) to go back to ALARMS mode and reviewing the alarm messages.



After choosing the button (2) TESTS the screen displays:

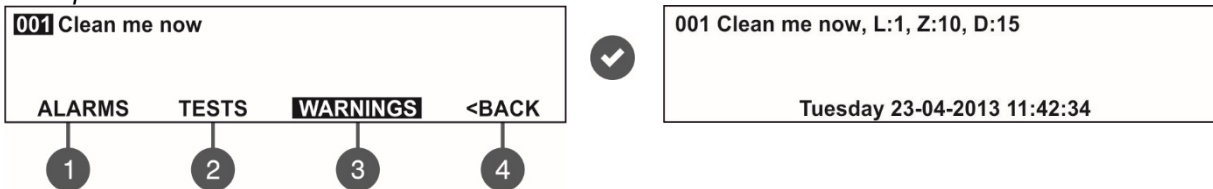


To exit the review of running tests mode, press CANCEL button.

2.5. Review of Warning Messages

The messages for warnings are displayed with low priority. If no alarm or fault events or disablements and tests are present, and there are active warnings in the system, the WARNINGS mode is blinking together with the number of the first message. There is no LED indication on the front panel.

Example:

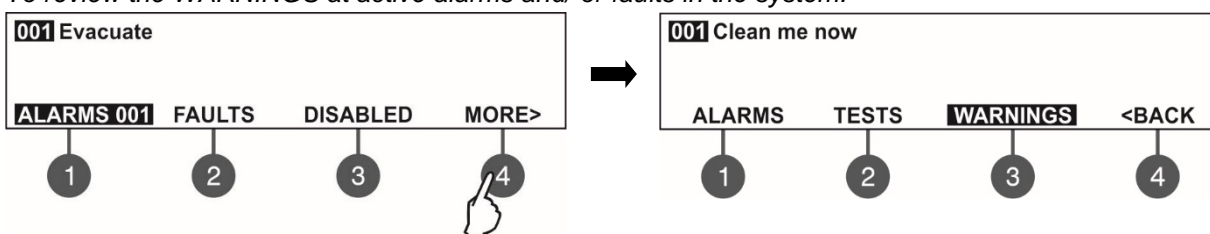


The User can review also some additional information for every warning message. For this, select the number of the message using up/ down arrow buttons (the number of the selected event is blinking) and press ENTER button. On the screen is displayed information for the loop number (L:), zone number (Z:) and the address and name of the device (D:)*. At the bottom of the screen is displayed the date and time of occurring of the warning. Note that the additional information is different according the type of the warning event.

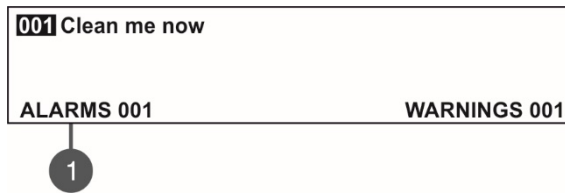
* **NOTE:** If the device is an input-output module the number of activated input/output is displayed after the address. For example, the screen displays message: "Loop Device Input Active - L:1; Z:1; D:3.1", where after the address of the device is displayed and the number of the activated input of the module. In the example the address of the module is 3 and the number of activated input is 1. The name of the input will be displayed at the end of the message.

In case, there are active alarms and/ or faults in the system, but you want to review the warnings, press button (4) MORE>> – (3) WARNING mode. The warning messages in the system are displayed with serial numbers. The reviewing is the same as described in item 2.1. The total number of the warnings is displayed at the bottom right corner of the screen. Use button (1) to go back to ALARMS mode and reviewing the alarm messages.

To review the WARNINGS at active alarms and/ or faults in the system:



After choosing the button (3) WARNINGS the screen displays:




To exit the review warning messages mode, press CANCEL button.

NOTE: If you are setting parameters at Access Level 2 (Maintenance) and there is an alarm or fault event in the system, the panel will automatically display a list with messages. After reviewing the events, you can return to the programming mode with single pressing the CANCEL button.

2.6. Silencing the Internal Buzzer

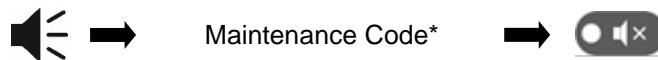
The internal buzzer of addressable fire alarm panel SIMPO is signalling in case of activated alarm or fault events in the system. The buzzer silencing is available from every access level without code entry.

To silence the internal buzzer press  button.

2.7. Silencing the Sounders

The sounders silencing is available from access level 2 (Maintenance).


To silence the sounders, enter in sequence:

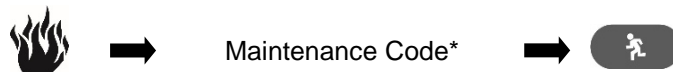


The LED 'Silence sounders' right to the button is lighting up.
To reset the panel in normal operation mode press 'Reset' button.

2.8. Activate Evacuation

The evacuation alert is available for activation from every access level regarding the following:

- **Level 1:** Just for that cases, **when the fire alarm signal is received from a detector in a zone.**
To start the sounders for evacuation alert, the user has to press  the button.
- **Level 2:** In case there is **no fire alarm signal from a detector in a zone.**
To start the sounders for evacuation alert, the user has to enter in sequence:



2.9. Resetting the Panel

The resetting of the panel's current state is available from access level 2 after code entry. The resetting function is used for initializing the panel and return to normal operation mode after alarm or fault restoring.

To reset the panel, enter in sequence:



After resetting are cleared also all introduced earlier test in zones and disablements. The introduced delays are not cleared. The panel returns to normal operation mode.

*** Note: The default combination for Maintenance code is 2222!
The Maintenance code for your panel can be different!**

3. MAINTENANCE MENUS

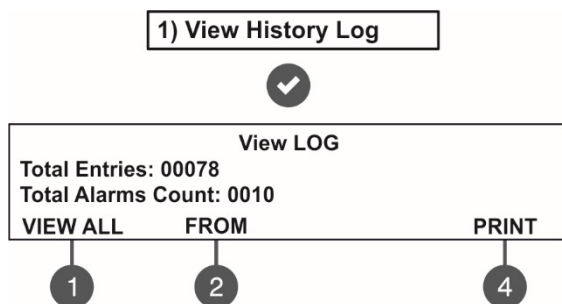
The Maintenance Menus are accessible after entering a Maintenance access code (default 2222).

Maintenance Menus	Description
Silence buzzer	Deactivating Internal Buzzer.
Silence Sounders	Deactivating the Sounders. During active fire alarms and deactivated/ silenced sounders the LED next the button is lighting up.
Reset	Resetting the panel without switching off the main and backup power supplies.
Evacuation	Activating Evacuation alarm signal; the sounders will activate immediately overriding all introduced delays.
Test	General test for operability of all LEDs and internal buzzer.
View history LOG	Viewing the LOG file for all events; printing of all or separate events.
Zones	Reviewing the Zone status; zone test for operability, disablement.
Devices Setup	Reviewing the Device status; disablement.
Panel outputs	Disablement of built-in panel outputs: SOUNDERS, EXITING, FIRE, FAULT, RELAY OUTPUTS.
General Settings:	General settings common for the panel.
• Time/ Day	Setting the current time and date.
• Day/ Night alarm mode	Reviewing of the set Day/ Night alarm mode.
• Panel settings	Changing the menu language, setting the backlight brightness; entering disablements.
• Delay T1	Setting the Delay T1.
• Sounders mode	Reviewing of the set operation of SOUNDER outputs.
• Company logo	Enter company information for the main screen
Save configuration	Saving the set system configuration.
Software revision	Reviewing the current software revision.
Active isolators	Reviewing the activated isolators in the system.
Access level 1	Return to Access Level 1.

3.1. View History Log Menu

This menu allows the technician to review and print the system events recorded in the panel memory log file. The capacity of the panel memory log file is 10000 events.

After entering the menu, the screen displays:



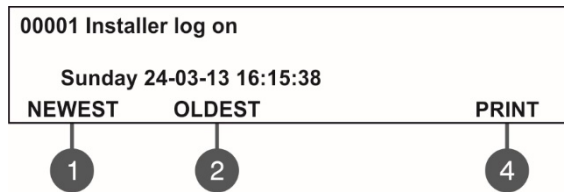
The following general information is displayed in the main screen of VIEW LOG menu:

Total Entries - Shows the total number of the recorded events in the memory log file.
Total Alarms Count - Shows the total number of the registered alarm events.

Use the functional digit buttons to enter the respective submenu.

3.1.1 Review of Full Events List

From the main screen of VIEW LOG menu press **(1) VIEW ALL** button. The last (newest) event is displayed on the screen. Use the buttons with up and down arrows to review all recorded events one-by-one, as everyone is displayed with date and time of occurring.



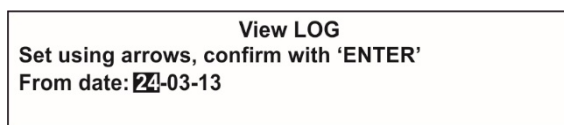
Press a functional button for entry in the respective submenu:

- 1 - NEWEST.** Shows the last recorded event.
- 2 - OLDEST.** Shows the first recorded event.
- 4 - PRINT.** See the description of item 2.1.3

Exit to the main screen of VIEW LOG menu is realized with CANCEL button.

3.1.2 Review of List of Events by Date

From the main screen of VIEW LOG menu press **(2) FROM** button. In "FROM" submenu the technician can extract a list of events by date. Set in sequence the day, the month and the last two digits of the year. The edited digit is flashing. Scroll between the fields using the left and the right arrows.



In "From date" field enter the new date using the buttons:

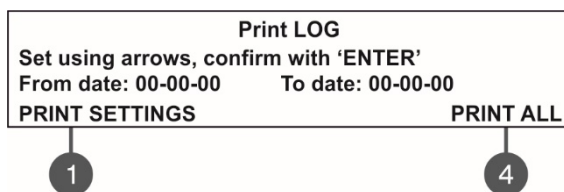
- **UP arrow** for increasing the number
- **DOWN arrow** for decreasing the number
- **LEFT/ RIGHT arrows** for changing the editing field

Then press the ENTER button – at the screen is displayed the first event for the entered date with time. Exit to the main screen of VIEW LOG menu is realized with CANCEL button.

3.1.3 Printing Events

Attention: To print the system events you have to connect thermal printer to the 'PRINTER' terminal on the main board. Check your printer connection before entering this menu! Use only thermal printer models recommended from the manufacturer!

From the main screen of VIEW LOG menu press **(4) PRINT** button. The screen displays two fields for setting a time interval for the extract. Two additional submenus for printer settings are available also.



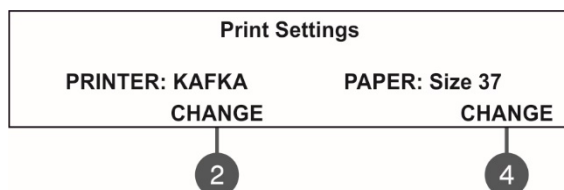
In the fields "From date" and "To date" enter the time interval for printing. You can use also the functional digit buttons to select:

- 1 – PRINT SETTINGS.** Press to enter in submenu for printer settings.
- 4 – PRINT ALL.** Press for direct printing of all recorded events in the system LOG file.

Press the ENTER button to start printing. The system will ask for confirmation before starting the printing.

3.1.4 Printer Settings

From the main screen of PRINT LOG menu press **(1) PRINT SETTINGS**. The screen displays the available printer settings.



Use the respective functional buttons to change the settings of the respective submenu.

2 – Press the button to change the used printer type or to choose operation with FAT/FBF panel (see item 2.8):

PRINTER: Kafka
PRINTER: EP1000
FAT/FBF

4 – Press the button to change the size of the used paper. The possible size formats are: 37/ 57/ 80 mm.

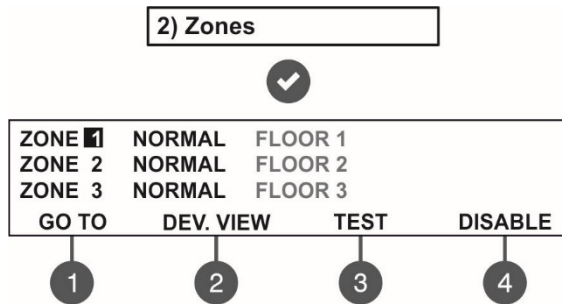
Confirm all changes with pressing ENTER button.

Exit to the main screen of VIEW LOG menu is realized with CANCEL button.

3.2. Zones Menu

This menu allows the technician to review and change the status of every zone. In the 'ZONES' menus the technician can test and enable/ disable the zones. Up to 48 zone numbers are available for settings. The currently edited zone number is blinking.

The screen displays the current status of every zone with its name (if entered). The selected zone number is blinking.



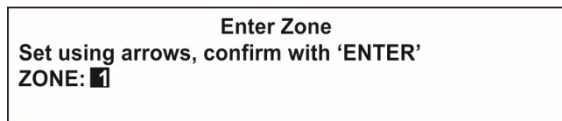
Description of the zone status:

- **NORMAL** – The zone is in normal operation state.
- **DISABLED** – The zone is disabled.
- **TEST** – The zone is in test mode.
- **FIRE** – A device in the zone is in fire.
- **PRE ALARM** – The zone is in preliminary alarm mode.
- **FAULT** – Trouble in the zone – lost device, broken circuit, etc.

3.2.1 General Submenus

From the main screen of ZONES menu use the functional digit buttons for direct entry to: (1) GO TO and (2) DEV. VIEW submenus.

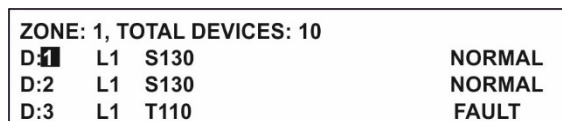
- **Submenu (1) GO TO.** Enter the zone number you want to go. After pressing the button, the screen displays:



Use up and down arrows to select zone number. Confirm with 'ENTER' button. The system will automatically go back to the main screen of ZONES menu as the number of the zone is blinking.

- **Submenu (2) DEV. VIEW.** The submenu shows information about the total number of the devices in the respective zone. From the main screen of ZONES menu, select a zone number and press button (2). A detailed list with address and name of the respective devices is displayed also. The screen displays information about the total number of the devices in the selected zone regardless of their current state.

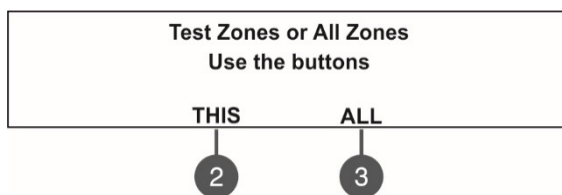
Example:



Use the arrow buttons to review the list of all devices associated to the zone.

3.2.2 Zones Testing

From the main screen of ZONES menu, select a zone number using the up and down arrow buttons and press button (3) TEST.



The system will ask for confirmation whether to run the test only for the selected zone number (button (2) THIS) or for all zones in the system (button (3) ALL).

The zone(s) status is changed to TEST mode. The LED 'Test' is lighting on permanently.

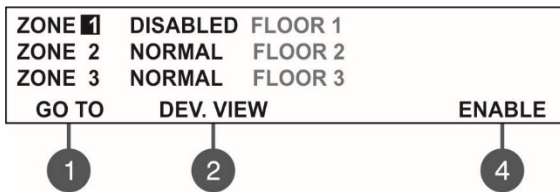
During the test mode the technician activates detectors in the zone (applies heat or smoke to the fire detectors and/or activates the call points) to check their proper operation. The panel confirms the receiving of fire alarm messages with short sound signals and the number of the tested zone is blinking. Note: During testing zones 17-48 will blink the LED 'Test' only!

To stop the zone test, press the (3) 'STOP TEST' functional button and then select button (2) THIS to stop the test in the currently selected zone or button (3) ALL to stop all running zone tests. The zone(s) will return to normal operation mode.

After completing the zone testing, reset the panel.

3.2.3 Disabling Zones

From the main screen of ZONES menu, select a zone number using the up and down arrow buttons and press button (4) DISABLE. The zone status is changed to DISABLED – the panel stops following the status of the connected devices to the zone and will not alert for alarms and faults from them. The LED 'Disable' lights up permanently. To enable the zone, press the (4) ENABLE button:

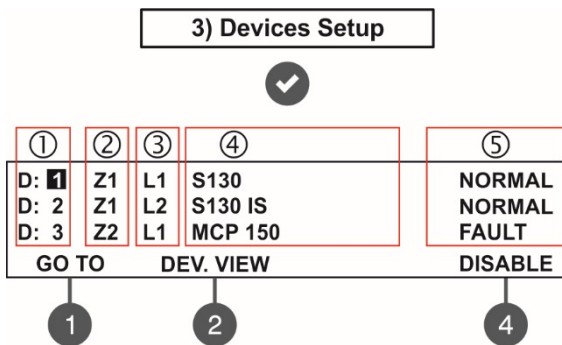


Note: If at the moment of enabling the zone, there are activated devices connected to it (fire alarm or fault condition) the panel will alert for that immediately!

3.3. Devices Setup Menu

This menu allows the technician to review the status of every device. Up to 250 devices per loop are available for settings (up to 500 when using second loop in the SIMPO panel). In the 'DEVICES SETUP' menus the technician can disable the connected detectors, modules and sounders.

Example for the screen display after entering the menu:



The screen is divided in the following sections:

- 1 – Address of the device.
- 2 – Zone number.
- 3 – Loop number.
- 4 – System name of the device according its type.
- 5 – The current status of the device:
 - **NORMAL** – The device is in normal operation mode.
 - **FAULT** – The device is not responding.
 - **TYPE ERROR** – The type of the device is different from the previously saved one*.
 - **DISABLED** – The device is disabled.
 - **FIRE** – The device is in fire mode.
 - **NEW** – The device is new in the system*.
 - **NONE** – No device at the address.

* Actions can be performed only from Installer's menus!

The address number of the currently editing device is blinking. Additional submenus are available through the functional digit buttons.

3.3.1 Submenus for General Setting

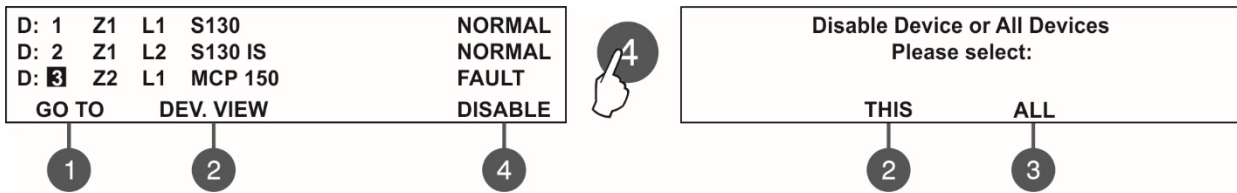
From the main screen of DEVICES SETUP menu use the functional buttons for submenus: (1) GO TO and (2) DEV. VIEW.

Submenu (1) GO TO allows quick access to a device address in the respective loop number. The currently editable value is blinking. Use up and down arrows to select device address. Use the left and right arrows to switch over the editable fields. Confirm with 'ENTER'.

Submenu (2) DEV. VIEW allows the User to check the total number of the devices connected to Loop 1 or Loop 2 – the loop number to which the selected device is currently connected. The exit to the main screen of DEVICES SETUP menu is with pressing ENTER or CANCEL button.

3.3.2 Disabling Devices

Every loop device can be disabled, as the panel will not follow the operation of the disabled device and will not respond to fire or fault messages from it. The LED 'Disable' on the front panel is lighting on.



The panel will ask if you want to disable the selected device only (button (2) THIS) or all present devices (button (3) ALL) at the respective Loop number. The exit is automatic to the main screen DEVICES SETUP, as the disabled devices are displayed with status DISABLED.

For example, if the selected device is connected to Loop 1, when pressing the button (3) ALL, all present devices connected to Loop 1 will be disabled in the system configuration. To disable in the system configuration all present devices connected to Loop 2, the installer has to select a device in Loop 2 and press button (3) ALL. Quick switching between Loop 1 and Loop 2 can be performed with button (1) GO TO.

To enable the device again, select its address and press the active button (4) ENABLE.

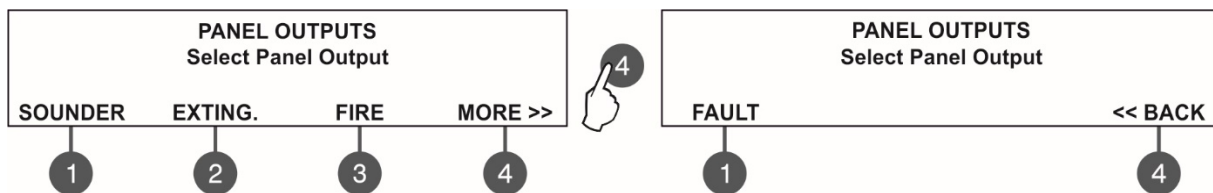
Note: If at the moment of enabling the device, it is in fire alarm mode (the fire signal was generated earlier, when the device was still disabled) the panel will alert for the fire alarm situation immediately!

3.4. Panel Outputs Menus

This menu allows the technician to disable/ enable and to set time delay for some of the outputs of the control panel:

- Sounder Outputs (SND 1, SND 2)
- Extinguish Output (EXT)
- Fire Output (FIRE)
- Fault Output (FAULT)

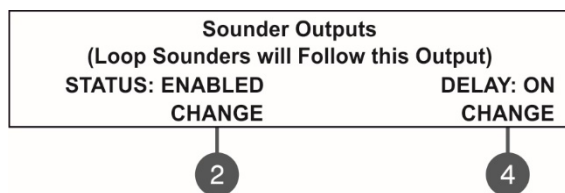
To access outputs parameters, enter in the menu - 5. PANEL OUTPUTS. The submenus are allocated in two screens.



3.4.1 Sounders Outputs

In this submenu the technician can disable/ enable the sounders activation and the time delay operation.

To access the SOUNDER submenu, enter in menu - 5. PANEL OUTPUTS - SOUNDER (1).



The functional buttons have the following action:

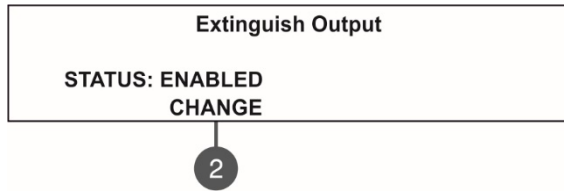
- (2) - Press to change the status of the sounder outputs. Every pressing of the button changes alternatively the ENABLED - DISABLED status. When the sounder outputs are disabled the LEDs 'Sounder Output Fault/ Disable' and 'Disable' light on permanently.
- (4) - Press to set the time delay operation. Every pressing of the button changes the 'Delay' setting:

- **ON** - The delay of sounder outputs will be active when DAY operation mode is set.
- **OFF** - No delay of sounder outputs activation. The sounder outputs are activated immediately.
- **SCHEDULE** - The delay of sounder outputs will be active on schedule.

All set parameters are confirmed with ENTER button.

3.4.2 Extinguishing Output

In this submenu the technician can disable/ enable the extinguish output activation. To access the EXTINGUISH submenu, enter in menu - 5. PANEL OUTPUTS – EXITING. (2).

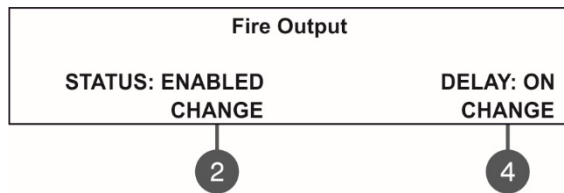


The functional button has the following action:
(2) - Press to change the status of the extinguish output. Every pressing of the button changes alternatively the ENABLED - DISABLED status. When the extinguish output is disabled the LED "Disable" light on permanently.

All set parameters are confirmed with ENTER button.

3.4.3 Fire Output

In this submenu the technician can disable/ enable the fire output activation and the time delay operation. To access the FIRE submenu, enter in menu - 5. PANEL OUTPUTS - FIRE (3).



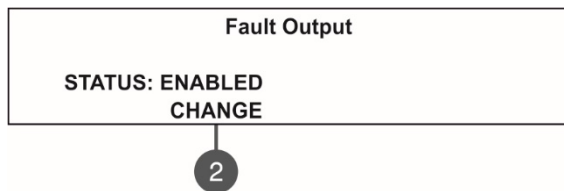
The functional buttons have the following action:
(2) - Press to change the status of the fire output. Every pressing of the button changes alternatively the ENABLED - DISABLED status. When the fire output is disabled the LEDs 'Fire Output Fault/ Disable' and 'Disable' light on permanently.
(4) - Press to set the time delay operation. Every pressing of the button changes the 'Delay' setting:

- **ON** - The delay of fire output will be active when DAY operation mode is set.
- **OFF** - No delay of fire output activation. The fire output is activated immediately.
- **SCHEDULE** - The delay of fire output will be active on schedule.

All set parameters are confirmed with ENTER button.

3.4.4 Fault Output

In this submenu the technician can disable/ enable the fault output activation. To access the FAULT submenu, enter in menu - 5. PANEL OUTPUTS – MORE> (4) – FAULT (1).

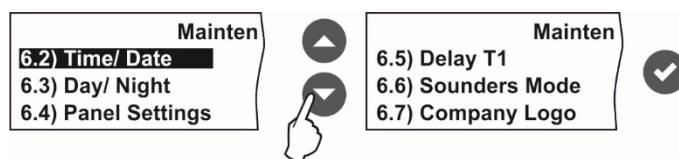


The functional button has the following action:
(2) - Press to change the status of the fault output. Every pressing of the button changes alternatively the ENABLED - DISABLED status. When the fault output is disabled the LED 'Disable' light on permanently.

All set parameters are confirmed with ENTER button.

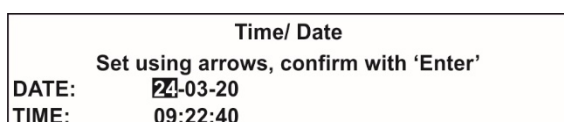
3.5. General Settings Menu

This menu allows the technician to make some common settings for the fire panel. A list with submenus is displayed after entering the maintenance menu - 6. GENERAL SETTING. The currently selected submenu is blinking. To enter into a submenu press 'ENTER'.



3.5.1 Setting the Date and Time

In this submenu the technician can set the current time and date for the panel. To access the TIME/ DATE submenu, enter in menu - 6. GENERAL SETTING - 6.2) TIME/ DATE. The screen displays:



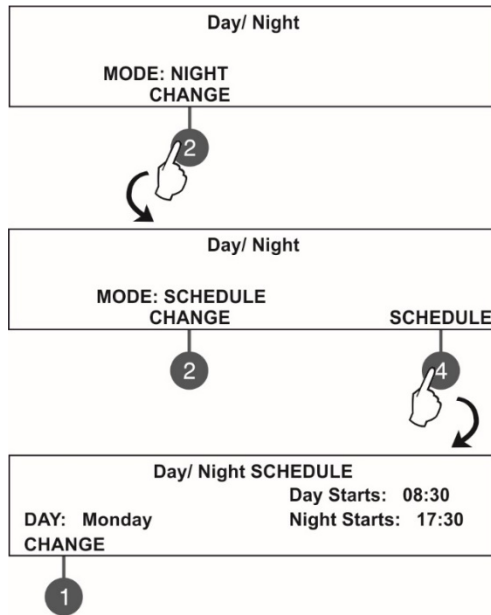
The editable field is blinking. Use the up and down arrows to set the date and time. Use the left and right arrows to switch over the editable fields.

IMPORTANT NOTES! The SIMPO panel is equipped with built-in battery for saving the set time and date in case of main or back-up power supply lost. Put a jumper on JP7 terminals on the control panel PCB to enable the built-in battery and saving the set time and date.

3.5.2 Setting Day/ Night Alarm Modes

In this submenu the technician has right to review the set Day/Night Schedule and change the day of the week when the Schedule is applied.

To access the DAY/ NIGHT submenu, enter in menu - 6. GENERAL SETTING - 6.3) DAY/ NIGHT. The screen displays:



Press the functional button (2) to select the preferred alarm mode:

NIGHT - Select to set night time alarm mode. The devices will operate only in night alarm mode.

DAY - Select to set daytime alarm level. The devices will operate only in day alarm mode.

SCHEDULE - Select to set operation on a schedule. The devices will operate on the programmed schedule.

The schedule is set in DAY/ NIGHT SCHEDULE submenu - press functional button (4).

In DAY/ NIGHT SCHEDULE submenu the technician can change the day of the week when the Schedule is applied.

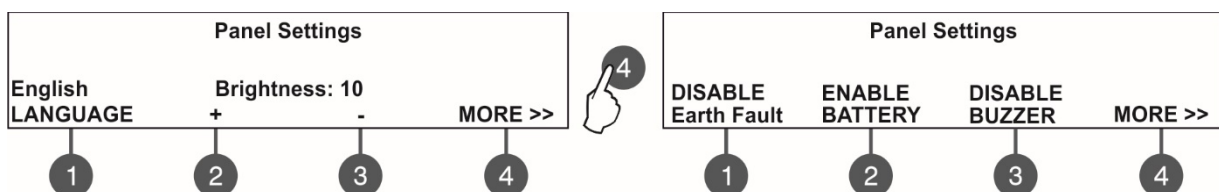
(1) DAY CHANGE - Press to change the day of the week.

Confirm the settings with pressing ENTER button.

3.5.3 Panel General Settings

In this submenu the technician can make some adjustments for the panel performance.

To access the PANEL SETTINGS submenu, enter in menu - 6. GENERAL SETTING - 6.4) PANEL SETTINGS. The screen displays:



(1) LANGUAGE - Press to set the language. Every pressing of the button changes the currently used language for the menus.

(2) + Brightness - Press to increase the brightness of the screen back light. The maximum value is 20.

(3) - Brightness - Press to decrease the brightness of the screen back light. The minimum value is 0.

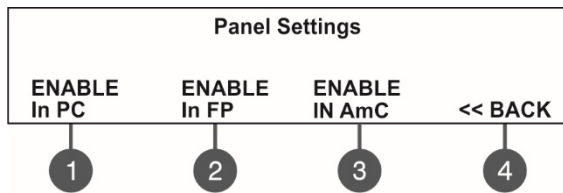
(4) MORE >> - Press to switch to the options for indication of Earth Fault, Battery and Buzzer troubles.

(1) Earth Fault - Press to enable/ disable the Earth Fault indication. When the Earth Fault indication is enabled you have to set a jumper to Earth Fault terminals on the control panel PCB.

(2) BATTERY - Press to enable/ disable the Accumulator Battery Fault Indication. When the Accumulator Battery Fault Indication is enabled the panel will monitor the internal battery resistance Ri. In normal operation Ri<0.3Ω. If Ri>0.3Ω, the panel will alert for Battery fault with message in Faults menu 'Battery High Resistance'. The installer has to change the accumulator battery with new.

(3) BUZZER - Press to enable/ disable the buzzer signalization.

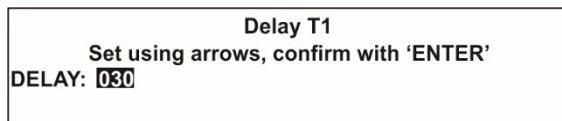
(4) MORE >> - Press to switch to the options for trouble indication from inputs In PC, In FP and In AmC on the panel's PCB.



- (1) **In PC** - Press to enable/ disable the indication for trouble at In PC input.
- (2) **In FP** - Press to enable/ disable the indication for trouble at In FP input.
- (3) **In AmC** - Press to enable/ disable the indication for trouble at In AmC input.
- (4) **BACK >>** - Press to return to the main screen of the menu.

3.5.4 Delay T1

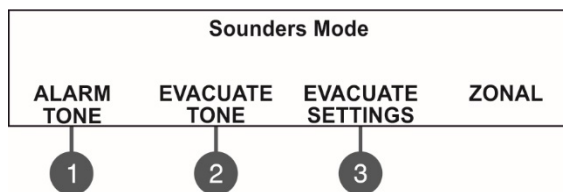
In this submenu the technician sets the time to Delay T1. T1 is the time delay needed for reaction of the security personnel on the protected site. T1 provides a time delay for the personnel to go to the zone in fire alarm and to check the situation. The operation of time delays T1 and T2 are described with the algorithm below. To access the DELAY T1 submenu, enter in menu - 6. GENERAL SETTING - 6.5) DELAY T1. The screen displays:



Use the up and down arrows to set the delay T1. The time interval is in range 0 - 60 sec. Confirm the settings with 'ENTER' button.

3.5.5 Sounders Mode

In this submenu the technician can review the set sounders operation mode. To access the SOUNDERS MODE submenu, enter in the installer's menu - 6. GENERAL SETTING - 6.6) SOUNDERS MODE. The screen displays:



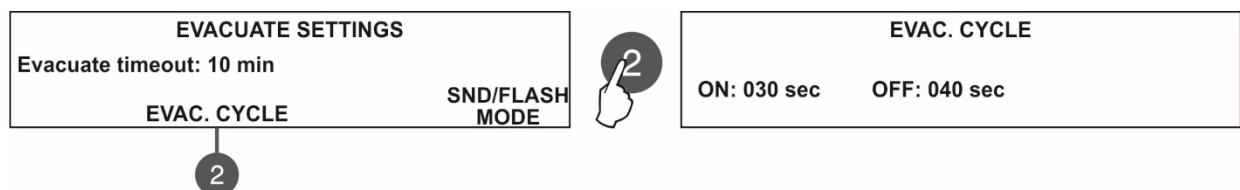
- Use the functional buttons:
- (1) **ALARM TONE** – Review the set the alarm type sound – the reference parameters for the selected sound are listed on the last row of the screen.
 - (2) **EVACUATE TONE** – Review the set evacuation type sound – the reference parameters for the selected sound are listed on the last row of the screen.

(3) **EVACUATE SETTINGS** – Press it to review the evacuation settings for sounders operation.



Press the (3) **EVACUATE SETTINGS** button to enter into the menu for reviewing a time delay - *EVACUATE TIMEOUT*. The time can be changed only from Installer menus (access level 3). If a timeout time is set, in a fire situation only the sounder of the zone(s) with alarm condition will be activated.

Use the (2) **EVAC.CYCLE** button to review a cycle sounding of the sounders in evacuation mode.



Two special times are defined for time intervals for sounders operation as follows:

- **ON** – During evacuation mode the sounders will operate with the setting of (4) **MODE** button described above – for example when **SND/FLASH** option is set the sounders will be sounding and flashing at the same time (for the models available).
- **OFF** - During evacuation mode the sounders will operate only in **FLASH** mode (for the models available).

After the set evacuation timeout delay is over, the sounders in the whole site are activated also, according the settings of the (4) **MODE** button in this menu (set only at access level 3):

- *SND/FLASH* – The addressable sounders are activated with sound and LED indication. The sounder outputs on the panel PCB are activated also.
- *SND* – The addressable sounders are activated with sound indication only. The sounder outputs on the panel PCB are activated also.
- *FLASH* - The addressable sounders are activated with LED indication only. The sounder outputs on the panel PCB are not activated.

At position (4) ZONAL/COMMON in 6.6) SOUNDERS MODE menu, the technician can review the set sounders operation mode.

- **Common** - All sounders will be activated with no sense of zone to which they are connected.
- **Zonal** - Only the sounder of the zones with alarm condition will be activated.

3.5.6 Company Logo

Enter company name and site description using the arrow buttons as described in APPENDIX B. The description can be entered on 2 rows with up to 40 symbols (including spaces) each. To enter symbols and letters use the buttons with up and down arrows. The cursor is moved with the left and right arrow buttons. After entering the full system name and information for the site, press “ENTER” button to save it. See also APPENDIX B.

3.6. Software Revision

In this menu the technician can review the software versions of the main board and used loop modules and also has possibility for firmware update of the main processor unit. The screen displays:

SOFTWARE VERSION	
Fire Alarm Mainboard Soft. Ver.:	X.X
1 Loop Module Ver.:	X.X
2 Loop Module Ver.:	X.X

3.7. Active Isolators Menu

This is an information menu for reviewing the active isolators (built-in isolator in SensolRIS devices). The active isolators in the system are displayed as device addresses in the fields “L1” and “L2” for SIMPO loops.

ACTIVE ISOLATORS	
L1:	
L2:	

3.8. Access Level 1

Exit from Access Level 2 to Access Level 1.

After choosing the menu with button ENTER, the panel automatically returns to Access Level 1. To enter in Access Level 2 (Maintenance) again, the technician has to enter a valid code.

APPENDIX A

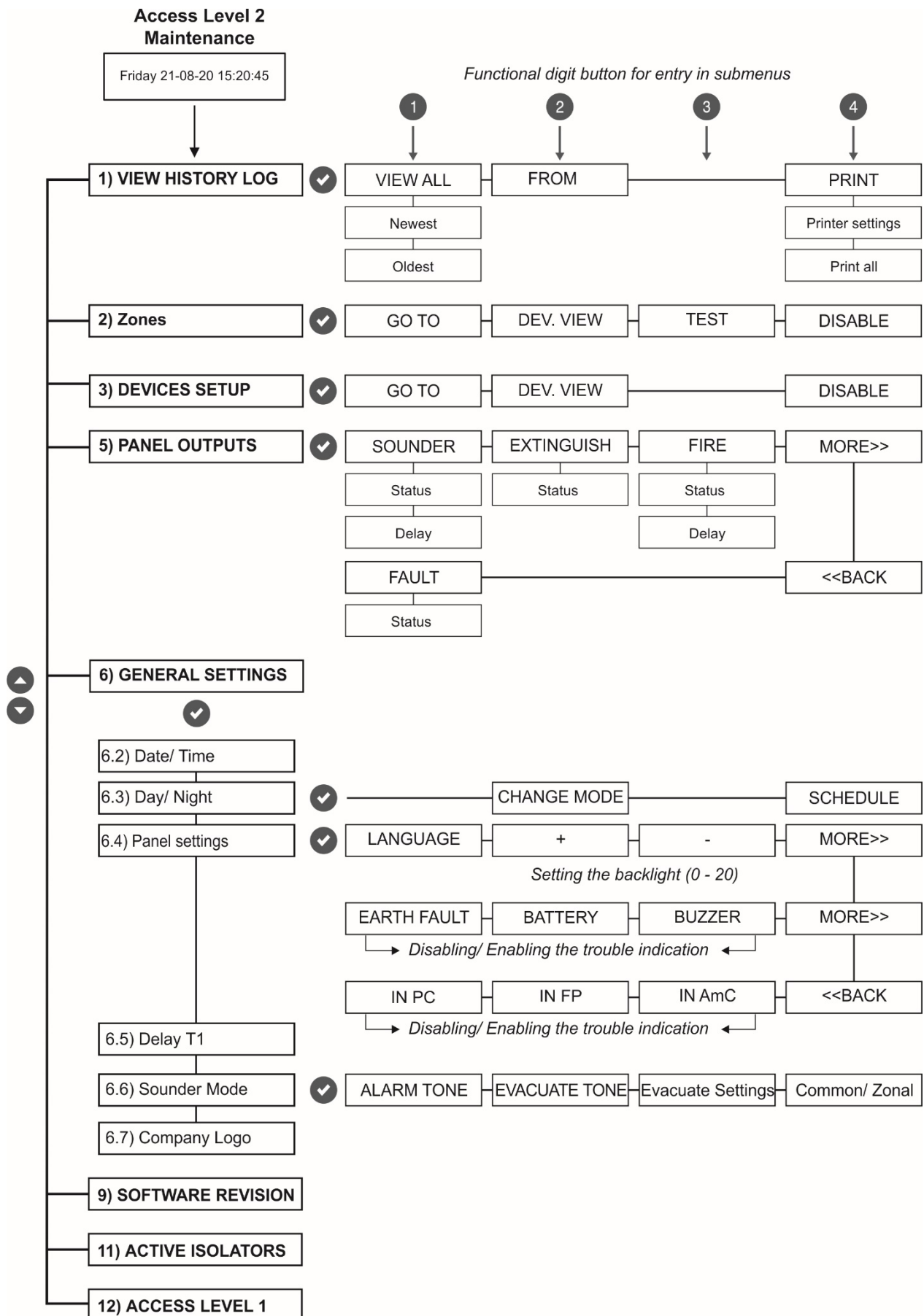
Table: Text and symbols for introducing device and zone names.

In device or zone name entering mode every pressing of up/ down arrow button changes the entered letter or symbol. When moving to the next new position the entering starts from the beginning of the table.

	—	!	”	#	\$	%	&	'	()	*	+	,	-	.	/	0	1	2	3	4	5
	6	7	8	9	:	;	<	=	>	?	@	A	B	C	D	E	F	G	H	I	J	K
	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	[]	^	_	`	a	
	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w
	x	y	z	А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н	О	П	Р	С	Т
	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ь	Ы	Э	Ю	Я	а	б	в	г	д	е	ж	з	и
	й	к	л	м	н	о	п	р	с	т	у	ф	х	ц	ч	ш	щ	ъ	ь	ы	э	ю
	я																					

APPENDIX B

Tree structure of the Maintenance menus.





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