

EBL512 G3

DAILY USER'S MANUAL

Fire alarm solutions

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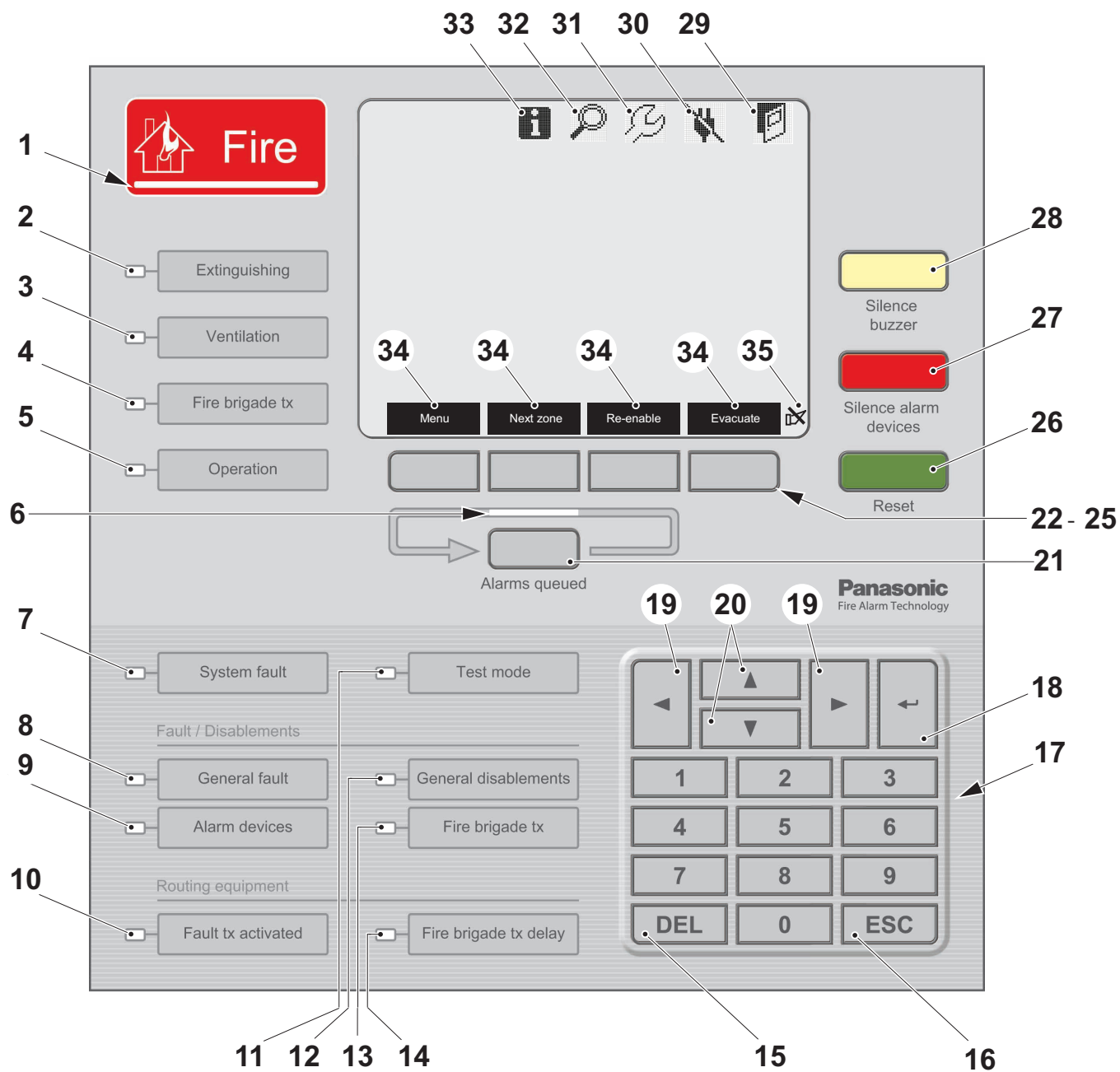
1. INTRODUCTION

This document is intended to be used for the daily duties like disablements / re-enablement's, zone tests, and so on in the EBL512 G3 system.

Due to continual development and improvement different S/W versions can be found.

The document describes the main menus and the sub menus valid for access level "**Building officer**".

2. DESCRIPTION OF THE FRONT



2.1. LED INDICATORS

See reference picture on page 4.

1	Fire	Fire alarms
2	Extinguishing	Output(s) for extinguishing equipment activated
3	Ventilation	Output(s) for fire/smoke ventilation equipment activated
4	Fire brigade tx	Output "Fire alarm" for fire brigade tx (routing equipment) activated
5	Operation	Steady light: CIE. is powered via the rectifier and/or the battery. Flashing light: CIE start up, and if loops are disconnected at start up, until the loops are re-connected.
6	Alarms queued	More than one alarm point / zone have activated fire alarm. Use push button "Alarms queued" (21) to scroll amongst the alarm points (zone-address) or the soft key "Next zone" (23) to scroll amongst the zones.
7	System fault	EBL512 G3 is not running because of: S/W fault CPU fault Memory fault No contact between main board and MMI board CIE. restart (fault code ≠ 00 / 03 / 25 / 50 / 53).
8	General fault	Fault(s) in the system.
9	Alarm devices	Steady light: Output(s) type "Alarm device" are disabled. Flashing light: Output(s) type "Alarm device" have generated fault(s). This is also valid when the CIE. has no "contact" with a unit with such an output, for example 4487, 4479, and so on.
10	Fault tx activated	Not acknowledged fault(s): Output "Fault condition" for fault tx (routing equipment) is activated. Test of routing equipment in progress (see menu H1).
11	Test mode	Zones are in "test mode" (see menu H7).
12	General disablements	Disablement(s) in the system.
13	Fire brigade tx (Fault/Disablements)	Steady light: Output(s) for "Routing equipment" disabled via menu H2 / B5 or via open door. Flashing light: Routing equipment power supply outputs or supervised outputs of type "Routing equipment" have generated fault(s) or the CIE. has lost contact with a unit with such an output.
14	Fire brigade tx delay	The Alert Annunciation function is enabled.

2.2. PUSH BUTTONS

See reference picture on page 4.

15	DEL	Used to clear / delete all visible entry fields.
16	ESC	Used to stop input of data or to step upwards in the menu system.
17	Key pad	Numeric key pad for the digits 0-9.
18	Enter	Used to accept / select a menu or input of data. Also used to acknowledge fault signal and service signal.
19	Left / right keys	Used to move the cursor in a menu.
20	Up / down keys	Used to scroll between the menus.
21	Alarms queued	Used when LEDs "Alarms queued" are lit. Scroll through the queued alarm points or zone addresses. NOTE! To scroll/browse through the queued zones, use the soft key "Next zone" (23).
22 - 25	Soft keys	The function is shown in the display above the soft key. The function of a soft key may vary. If nothing is shown above the key in the display, the key has no function for the moment.
26	Reset	Used to reset: Fire alarms, co-incidence alarms. NOTE! Has to be pressed for > 0.5 sec.
27	Silence alarm devices	Used to silence alarm devices / sounders. If "silence alarm devices" is activated, it is indicated by a symbol in the display, see (35).
28	Silence buzzer	Used to silence the buzzer in the CIE. when it is sounding.

2.3. DISPLAY

See reference picture on page 4.

29	The door is open in any CIE. (not valid for 5055) in the system.
30	Loss of mains in any CIE. or external power supply unit in the system. The unit is currently power supplied via batteries.
31	Service signal. The week average sensor value is over the service level, or detector is outdated, for one or more analog smoke detectors in the system. Menu H4/U5 (Symbol flashing): The system is in service mode: <ul style="list-style-type: none"> • A COM loop is disconnected • A COM loop is in service mode • A Zone line input is disconnected • Check loop, Autogenerate loop or Auto-addressing function etc. is in progress
32	The CIE. is set into "Sensitive fault detection mode" via menu H5/A2.
33	One or more "Technical warnings" are generated in the system.
34	The functions of the soft keys will vary depending on the situation, convention and language.
35	"Silenced Alarm devices" is indicated by this symbol.

3. ACCESS LEVELS

Level "Building officer" is described in this document.

INFORMATION ONLY

- H4** Present system status
- H6** Display faults
- H9** Interlocking outputs and inputs
- H10** Change password

BUILDING OFFICER

- H1** Perform monthly test
- H2** Disable or re-enable
- H3** Set calendar and clock
- H4** Present system status
- H6** Fault acknowledge
- H7** Perform zone test
- H9** Interlocking outputs and inputs
- H10** Change password

SERVICE PERSONNEL

- H1** Perform monthly test
- H2** Disable or re-enable
- H3** Set calendar and clock
- H4** Present system status
- H5** Service
- H6** FAULT Acknowledge
- H7** Perform zone test
- H8** Maintenance
- H9** Interlocking outputs and inputs
- H10** Change password

4. LOG ON TO THE CONTROL UNIT (CIE)

USER NAME


Up to ten users, 0 to 9, may be programmed. By default at delivery, three users are available:

- 0 = Information only
- 1 = Building officer
- 2 = Service personnel

PASSWORD

Each User has a Password for an access level, for example. "Information only", "Building officer" or "Service personnel".

4.1. HOW TO LOG ON

- a) Open the door. Press the soft key **Menu**.
- b) On the keypad, press 0, 1, 2 - - 8 or 9 to select a user. Press .
- c) Type the password for that user. (Six digits. * * * * *)

After typing a correct password, a main menu list with the available menus will be displayed.
For "0", Information only, no password is required.

5. NAVIGATION / GENERAL PROCEDURES

- Scroll in lists or menus with ▼ ▲.
- Press ◀ ▶ to toggle between different choices.
- Press soft key →| to toggle between different functions.
- Press ↵ to select / accept.
- Press the digits on the numeric pad to choose a menu or enter data.
- A successful disablement is indicated by a beep and a "√". It will also be shown in the Re-enable list.
- A not successful disablement is indicated by another beep and a "X".
- To leave a menu press ESC.
- To leave the menu system, press the soft key **Escape menu**.
- To logout, close the door.

Quick jump can be used within each menu, for example press "6" for a quick jump to menu H6.

You will be automatically logged out 15 minutes after the last action, and directly when you close the door. A new login is then required. If you leave the menu system without closing the door, you have access to the menu system again only by using the soft key "Menu". A new login is not required.






5.1. PRINTER

If a printer is available the soft key **Print** is shown and can be used to start a print-out.

During printing the same soft key might change to **Abort printing**.

After pressing the soft key "Abort printing" it will change back to "Print" but the printing might continue for a few seconds.

6. PERFORM MONTHLY TEST (H1)


- a) Log on to the CIE.
- b) Menu H1 is selected. Press .
- c) Press . The CIE. buzzer sounds, all the dots in the display are shown and all LEDs on the front are turned on. If the CIE. has a printer it has made a print out: **ABC.....Z abc.....z**.
- d) Press . Up to four zones can be set in test mode. Use the keypad to type the zone numbers.
- e) Press .
- f) Perform the test.
- g) To end the test, press .

Some national regulations also require a routine test of the routing equipment.


If the routing equipment **shall not be tested**, the monthly test is completed. Press .

If the routing equipment **shall be tested**, press  to highlight **YES** and press .

Started test is indicated by LED "Fault tx activated" and after 30 seconds also LED "Fire brigade tx".

After 60 seconds in total, the routing equipment test is ended and the LEDs are turned off. Press .





7. DISABLE OR RE-ENABLE (H2)

- a) Log on to the CIE.
- b) Navigate to menu H2.
- c) Press . A sub menu list (B1 – B6) will be displayed.

7.1. SUB MENU LIST (B1 – B6)

B1	Zone or Zone / Address	<p>Disable</p> <p>Press the Soft key Change type of disablement to toggle between:</p> <ul style="list-style-type: none"> • Zone 000 • Zone 000 address 00 • Zone 000 address 00 'Smoke only' • From zone 000 to zone 000 <p>If "Automatically re-enablement" shall be used, insert time (hh:mm).</p> <p>Re-enable</p> <p>Select "Re-enable list".</p> <p>Select the Zone or Zone / Address to be re-enabled.</p>
B2	Output	<p>Disable output</p> <p>Press the Soft key Change type of disablement to toggle between:</p> <ul style="list-style-type: none"> • Loop unit 000000 output 0 • Control unit 00 S0 • Control unit 00 R0 • Control unit 00 expansion board output 0. <p>Type the required data</p> <p>Re-enable</p> <p>Select "Re-enable list".</p> <p>Select the output that shall be Re-enabled</p>
B3	Output type	<p>Disable output type</p> <p>Press the Soft key Change type of disablement to toggle between:</p> <ul style="list-style-type: none"> • Control outputs • Ventilation outputs • Extinguishing outputs • Interlocking outputs <p>Re-enable</p> <p>Select "Re-enable list".</p> <p>Select the output type that shall be Re-enabled.</p>
B4	Alarm devices	<p>Disable</p> <p>By default All alarm devices is selected.</p> <p>Re-enable</p> <p>Select "Re-enable list".</p>
B5	Routing equipment	<p>Disable routing equipment</p> <p>By default Fire is selected. Select Fire or Fault.</p> <p>Re-enable</p> <p>Select "Disabled routing equipment list".</p>
B6	Alert annunciation function	<p>Disable</p> <p>By default Alert annunciation is selected.</p> <p>Re-enable</p> <p>Select "Re-enable list".</p>


8. SET CALENDER AND CLOCK (H3)

- Log on to the CIE.
- Navigate to menu H3.
- Press . Depending on if it is the date, time and/or the day that shall be set, press  and  to highlight it.
- Use the keypad to enter new values. Press .

To exit the menu without making any changes, press ESC.

9. PRESENT SYSTEM STATUS (H4)

Information only. If the CIE has a printer it is possible to get a print-out from some of the sub menus U1-U8.

- Log on to the CIE.
- Navigate to menu H4.
- Press . A sub menu list (U1 – U8) will be displayed.

9.1. SUB MENU LIST (U1 – U8)

U1	Disablement	Disablements, except "disablements by time channel", are displayed. Indicated by LED "General disablements".
U2	Disablement by time channel	Only "disablements by time channel", are displayed. Indicated by LED "General disablements".
U3	Open doors	If any door in the system is open, the open door symbol is shown.
U4	Sensor values	Information on heat, smoke or multi detector sensor values.
U5	Sensors activating service signal	Service signal is acknowledged via menu H8/S2, which require log on with a password for access level "Service personnel".
U6	Technical warning	If one or more technical warnings are activated in the system, the technical warning symbol is shown.
U7	Event log	<ul style="list-style-type: none"> Alarm log – Alarm events. Interlocking log - Interlocking events only. General event log – All other type of events.
U8	Information	<ul style="list-style-type: none"> Main board version: x.x.x MMI board version: x. x.x Alarm counter: nnn Max number of allowed alarm points: xxx Serial number: xxxxxxxx Control unit: NN

10. FAULT ACKNOWLEDGE (H6)





LED "Fault tx activated" on the front is indicating that the output for Fault condition routing equipment is activated. The LED will be turned off when all faults are acknowledged.

LED "General fault" on the front is indicating that not all faults are acknowledged and corrected.

No status = not corrected / serviced and not acknowledged fault.

Acknowledged = not corrected / serviced but acknowledged fault.

Serviced = corrected / serviced but not acknowledged fault.

- a) Log on to the CIE.
- b) Navigate to menu H6.
- c) Press . A list will be displayed. The most recent fault is on top of the list.
- d) Scroll with  and  or press the soft keys **Previous page** and **Next page**.
- e) Select the fault to be acknowledged. Press  to acknowledge the fault.

A fault that is both serviced and acknowledged will disappear from the list.



11. PERFORM ZONE TEST (H7)

Up to 100 zones can be set in test mode, which is indicated by the LED "Test mode" on the front. The zones don't have to be in consecutive order, you can add any zones between 1-999999.

After one hour without any testing activity, the test mode will be automatically ended. Valid for each zone respectively.

When an alarm point in a zone, set in test mode, is tested, it is presented in the display as a fire alarm, but with the information "Test mode" added. If a printer is available the test mode alarm will be printed with the information "(test mode)" added.





No outputs will be activated except the fire door outputs. The test mode alarm will be automatically reset after approximately 10 seconds.

- a) Log on to the CIE.
- b) Navigate to menu H7.
- c) Press the soft key **Single/Multiple** to toggle between:
 - **Zone 000**
 - **From zone 000 to zone 000**
- d) Use the keypad to type a zone number and press .
- e) Press  to start the test.


Putting the zone into test mode is indicated by a beep and a "✓". It will also be shown in the **"End test mode"** list.

A not successful zone in test mode is indicated by another beep and a "X".



END TEST MODE

- a) Press soft key  to toggle between: **"Set in test mode"** and **"End test mode"**.
- b) Scroll with  and .
- c) Press  to select. When ending the test mode for a zone, it is indicated by a beep and it will also disappear from the **"End test mode"** list.

12. INTERLOCKING OUTPUTS AND INPUTS (H9)


- Log on to the CIE.
- Navigate to menu H9.
- Press . A sub menu list (C1 – C3) will be displayed.

12.1. SUB MENU LIST (C1 – C3)

C1	Activated interlocking outputs / inputs	Read only and/or print available.
C2	Activate / deactivate interlocking output	<p>Activate By default is Interlocking output area: 000 point: 00 shown. Use keypad to change area/point. A successful activation is indicated by a beep and a "✓". It will also be shown in the "Deactivate list".</p> <p>Deactivate Select "Deactivate list". Press . A deactivation is indicated by a beep and it will also disappear from the Deactivate list.</p>
C3	Disable / re-enable interlocking output	<p>Disable By default is Interlocking output area: 000 point: 00 shown. Use keypad to change area/point. A successful disablement is indicated by a beep and a "✓". It will also be shown in the "Re-enable list".</p> <p>Re-enable list Choose "Re-enable list". Press . A re-enablement is indicated by a beep and it will also disappear from the Re-enable list.</p>

13. CHANGE PASSWORD (H10)

You can only change the password for the user that is currently logged on to the control unit.

- Log on to the CIE.
- Navigate to menu H10.
Press . The user that is currently logged on to the control unit is shown.
- Use the keypad to type the old password.
- Type the new Password. (Six digits. * * * * *)
- Verify the new password.

This product has been tested and approved to the highest standards, ensuring high quality and reliable fire alarm solutions.

Panasonic Fire & Security Europe AB
Jungmansgatan 12
SE-211 11 Malmö, Sweden
+46 (0) 40 697 7000
www.panasonic-fire-security.com

