

# EBLOne

## DAILY USER'S MANUAL

Fire alarm solutions

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# 1. INTRODUCTION

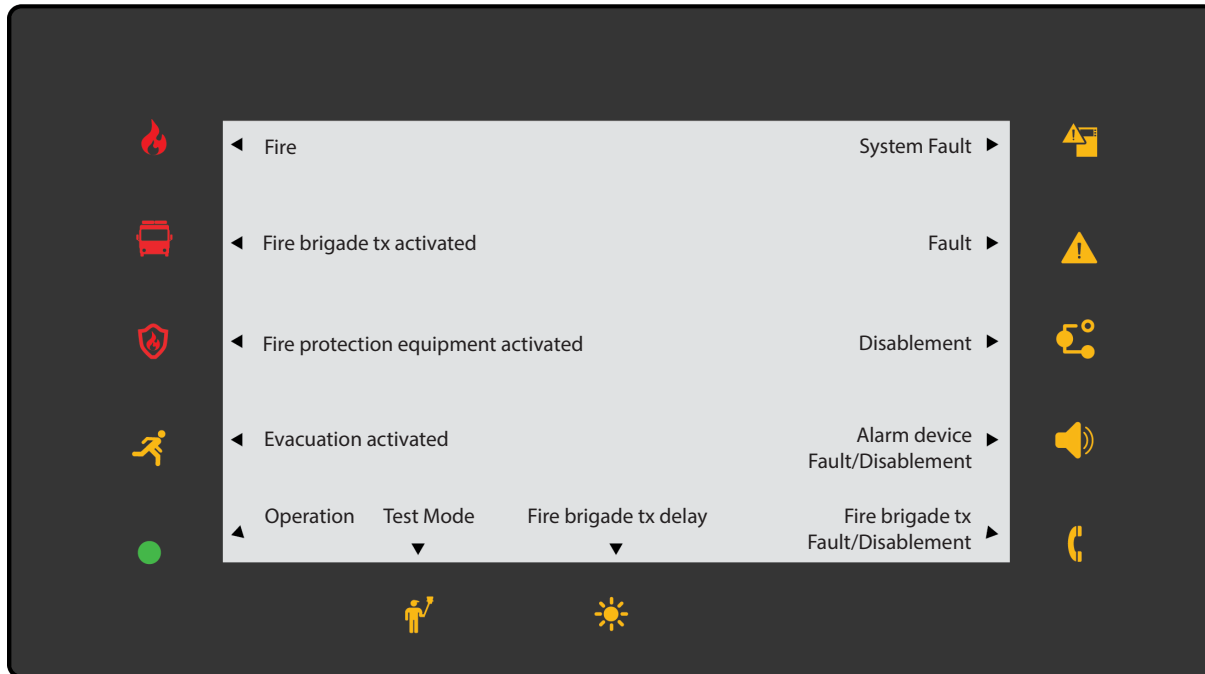
This document is intended to be used for the daily duties like disablements / re-enablement's, zone tests, and so on in the EBLOne system.

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

## 2. DESCRIPTION OF THE INTERFACE

### 2.1. LED INDICATORS




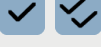





Press the information button ⓘ to see the explanation for the LEDs in the icons display area.



	Fire	Fire alarms.
	Fire brigade tx activated	Output "Fire alarm" for fire brigade tx (routing equipment) is activated. Or a programmable input type "Activated routing equipment" is activated. Or test of routing equipment in progress.
	Fire protection equipment activated	Output(s) for extinguishing equipment or fire/smoke ventilation equipment are activated. (Or a programmable input type "Extinguishing" or "Ventilation" is activated.)
	Evacuation activated	A programmable input type "Evacuate" is activated.
	Operation	Steady light: CIE is powered via the rectifier and/or the battery. Flashing light: CIE start up, and if the loop is disconnected at start up, until the loop is re-connected.
	Test mode	Zones are in "test mode" (see Zone test menu).
	Fire brigade tx delay	The Alert Annunciation function is enabled.
	Fire brigade tx Fault/Disablement	Steady light: Output(s) for "Routing equipment" disabled via Output type menu. 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, for example 4461.
	Alarm devices Fault/Disablement	Steady light: Output(s) type "Alarm device" or "Alarm device for evacuation" are disabled. Flashing light: Output(s) type "Alarm device" or "Alarm device for evacuation" 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.
	Disablesments	Disablement(s) in the system. Or the system is in service mode.
	Fault	General fault(s) in the system. Or test of routing equipment in progress. Or sensitive fault detection mode is on.
	System fault	EBLOne is not running because of S/W fault, CPU fault, or Memory fault. CIE restart (fault code ≠ 00 / 03 / 25).

## 2.2. BUTTONS












Explanation of the buttons in the control unit.

	Fire	Used to access the alarm page.
	More	Used to access the event tabs page.
	Up / down keys	Used to scroll between items in lists.
	Top / bottom keys	Used for fast scrolling to the top or the bottom of the lists.
	Acknowledge faults / technical warning / service signal	Used to acknowledge fault. Press  to acknowledge a fault or press  to acknowledge all.
	Re-enable	Used to re-enable functions. Press  to re-enable a function in one unit or press  to re-enable the function in all units
	Silence buzzer	Used to silence the buzzer in the CIE when it is sounding.
	Log in	Used to log in to the CIE.
	Log out	Used to log out from the CIE.

It is an audible feedback, a click sound, when you press a button or a key.

## 2.3. SYMBOLS

Explanation of the symbols in the control unit.

	Indicates one or more events		Incorrect value in edit field
	One zone		Interlocking area
	Zone in range		Interlocking point
	Detector address		Technical address
	Automatic re-enablement for zones and alarm point		Output
	"Automatic re-enablement" is used. Will be automatically re-enabled at hh:mm		

## 3. LOG ON TO THE CONTROL UNIT

### 3.1. USER NAME


Up to ten users, 0 to 9, may be programmed. By default in a new SSD programming, three users are available:

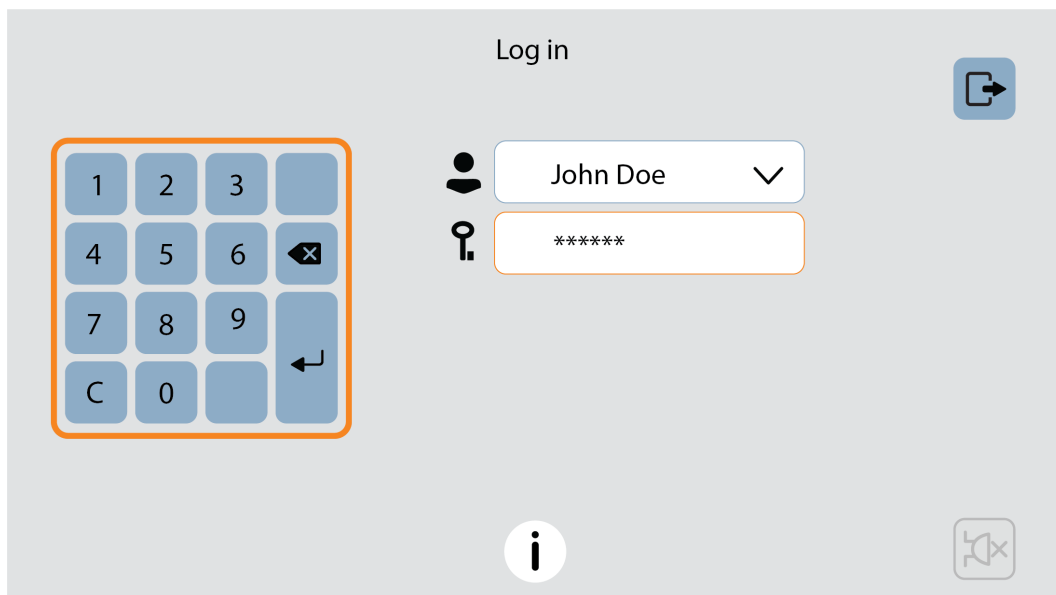
- 0 = Information only
- 1 = Building officer
- 2 = Service personnel

### 3.2. PASSWORD

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


### 3.3. HOW TO LOG IN

- Press  to log in.
- Select a user in the drop-down list.
- Type the password for that user. (Six digits. \* \* \* \* \*)














The image shows a 'Log in' screen. On the left is a numeric keypad with buttons for digits 1-9, 0, a 'C' (clear) button, a backspace button (arrow with 'X'), and an enter button (arrow with 'J'). The keypad is highlighted with an orange border. To the right of the keypad are two input fields: a user selection dropdown menu showing 'John Doe' with a downward arrow, and a password field showing six asterisks '\*\*\*\*\*'. Above the fields is a 'Log in' title. In the top right corner is a blue square button with a white right-pointing arrow. In the bottom center is a white circular button with a black 'i' (information) icon. In the bottom right corner is a square button with a crossed-out icon.



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


The cross  will be shown if the password was not correct. Try again.

**After three wrong passwords the log in function will be blocked for one hour for the user name respectively.**

## 4. NAVIGATION / GENERAL PROCEDURES





- Scroll in the lists with  and .
- Tap on the input field, a numpad will pop up to enter data.
- Use the switch  to toggle between different functions.
- Press the button  to re-enable a function on one unit or press  to re-enable the function on all units.
- To acknowledge, press  or press  to acknowledge all.
- A successful operation is indicated by a . It will also be shown in the list.
- A not successful operation is indicated by a .
- The symbols are greyed out when not active.
- To return to the main menu press .
- To leave the menu system and log out, press log out .

**Quick jump** can be used within each menu, press the icons in the top left corner    for a quick jump to previous menu.

You will be automatically logged out 15 minutes after the last action, and after 5 seconds when you press log out . A new login is then required.






### 4.1. NAVIGATION IN THE EVENT TAB PAGE

The event tab page is only shown when logged out, see [6.2. EVENT TAB PAGE](#) on page 10.

- In logged in mode, press log out  to access the event tab page.
- In logged out mode, the event tab page will be shown if there are any events in the system.
- A tab will be shown on the event tab page if there are any faults, disablements etc in the system.
- To switch between the tabs, press the tab icon
- If the system also is in fire alarm state, the fire button  will be shown in the event tab page. Press the fire button  to go to the fire alarm page.
- To access the menu system when the event tab page is shown, press  to log in.














### 4.2. NAVIGATION IN ALARM STATE

If the system is in alarm state, the screen will be turned on and the alarm page is shown, see [6.1. ALARM PAGE](#) on page 9.

- The fire alarm page is only shown when logged out. In logged in mode, press the fire button  or log out  to go to the alarm page. You will be automatically logged out.
- On the alarm page, if there are also other events in the system, the more button  will be shown. Press the more button  to go to the event tab page.
- To access the menu system during alarm state, press  to log in. The normal alarm page will be automatically displayed again after the menu system is escaped or 20 seconds after the latest maneuver in the menu system.
- The alarm page has priority over the event tab page.

## 5. USER LEVELS

Each user level type has access to specific menus according to the following table.

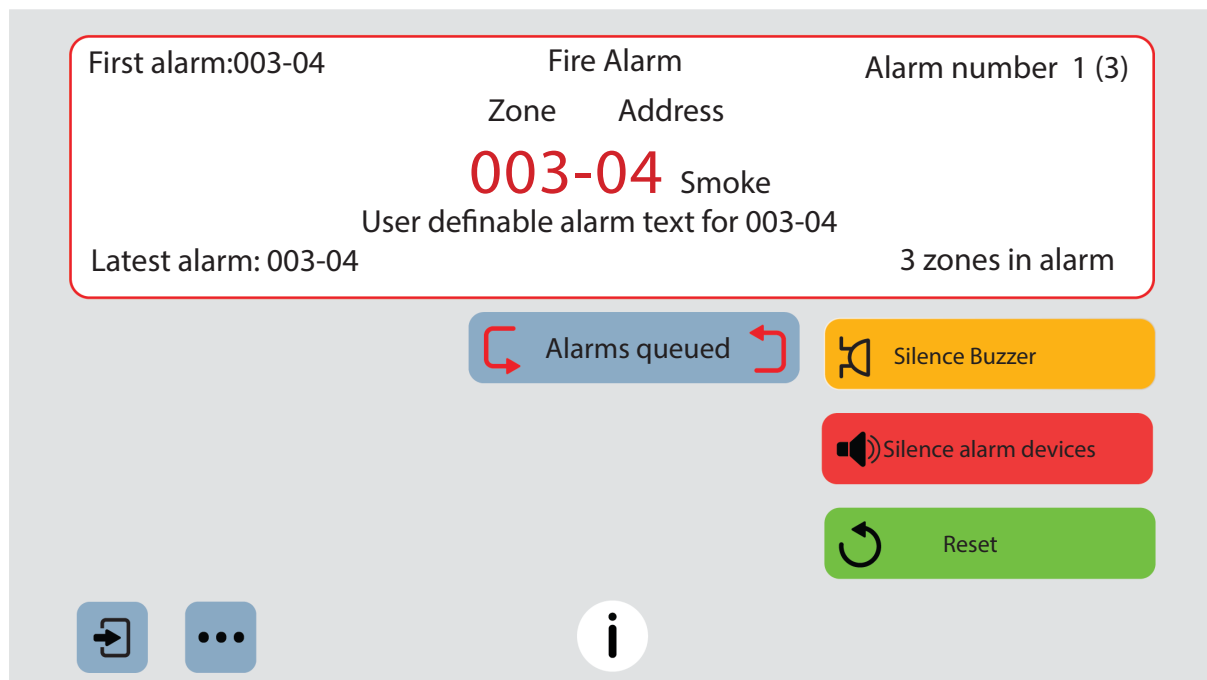
INFORMATION ONLY		BUILDING OFFICER		SERVICE PERSONNEL	
	Fault Technical warning Sensor value Service signal Event log Activated interlocking Control unit information Current consumption Communication		Fault Technical warning Sensor value Service signal Event log Activated interlocking Control unit information Current consumption Communication		Fault Technical warning Sensor value Service signal Event log Activated interlocking Control unit information Current consumption Communication
	Change password Change language Display settings		Set clock and date Display settings Change password Change language		Set clock and date Display settings Change password Change language
			Zone Address Outputs Output types Time channels Interlocking Alert annunciation Routing equipment		Zone Address Outputs Output types Time channels Interlocking Alert annunciation Routing equipment
			Monthly test Zone test		Monthly test Zone test Test alarm devices
			Activate interlocking output		Disconnect Acknowledge service signal Clear weekly average Safe shut down Activate alarm point Activate output Activate interlocking output
					Set up wireless system Calibrate outputs Service mode for loop Sensitive fault detection mode SSD information



## 6. LOGGED OUT

### 6.1. ALARM PAGE

The alarm page can be accessed when there is an alarm activated.



**ALARMS QUEUED** – The arrows on the button "Alarms queued" will turn red when there are two or more fire alarms in the system, and you can scroll amongst the fire alarms. The first alarm will automatically be shown again after 20 seconds, if no button is pressed during that time.

**SILENCE BUZZER** – Used to silence the buzzer in the CIE when it is sounding.

**SILENCE ALARM DEVICES** – Used to silence alarm devices / sounders.

**RESET** – Used to reset: Fire alarms, co-incidence alarms.

**ACKNOWLEDGE** – Visible when there is an alert annunciation alarm activated. Used to acknowledged the alert annunciation alarms.

#### 6.1.1. ACCESS CODE

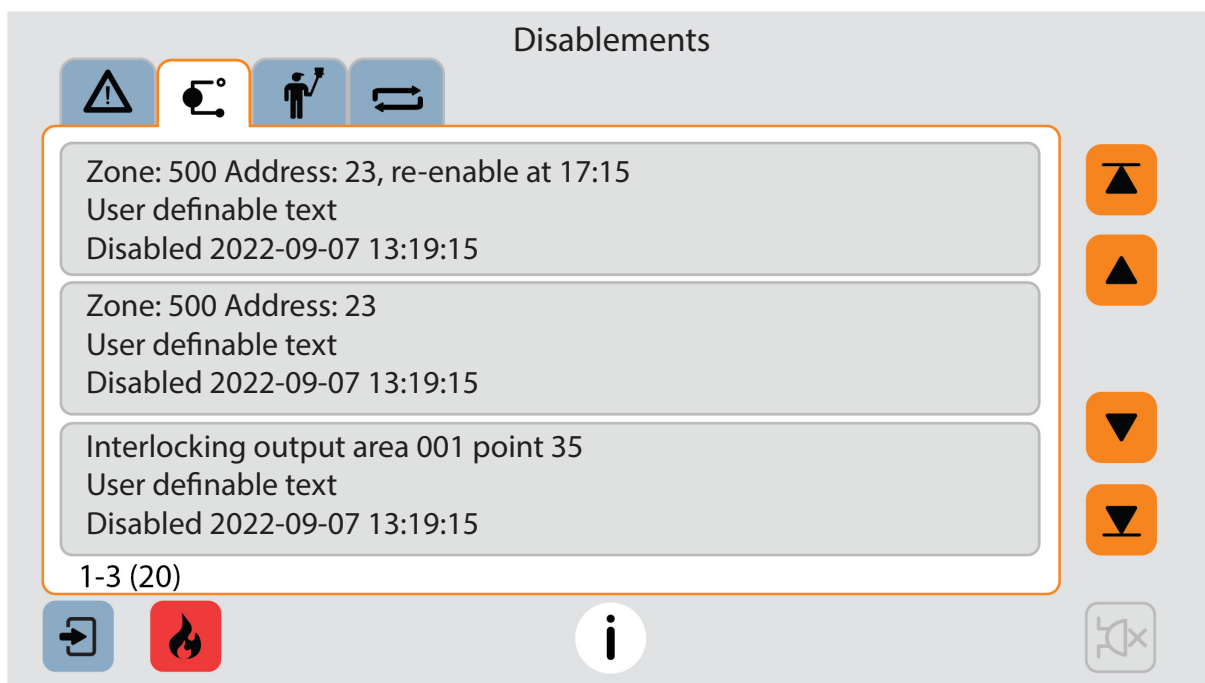
An access code is required to get access to the buttons Silence alarm devices and Reset. Any password programmed for building officer or service personnel can be used.

In a 2000K CIE a turned fire brigade key gives access to the buttons without any password.

## 6.2. EVENT TAB PAGE

The Event tab page is visible when there are events to be shown in the system. The events that can be shown here are:

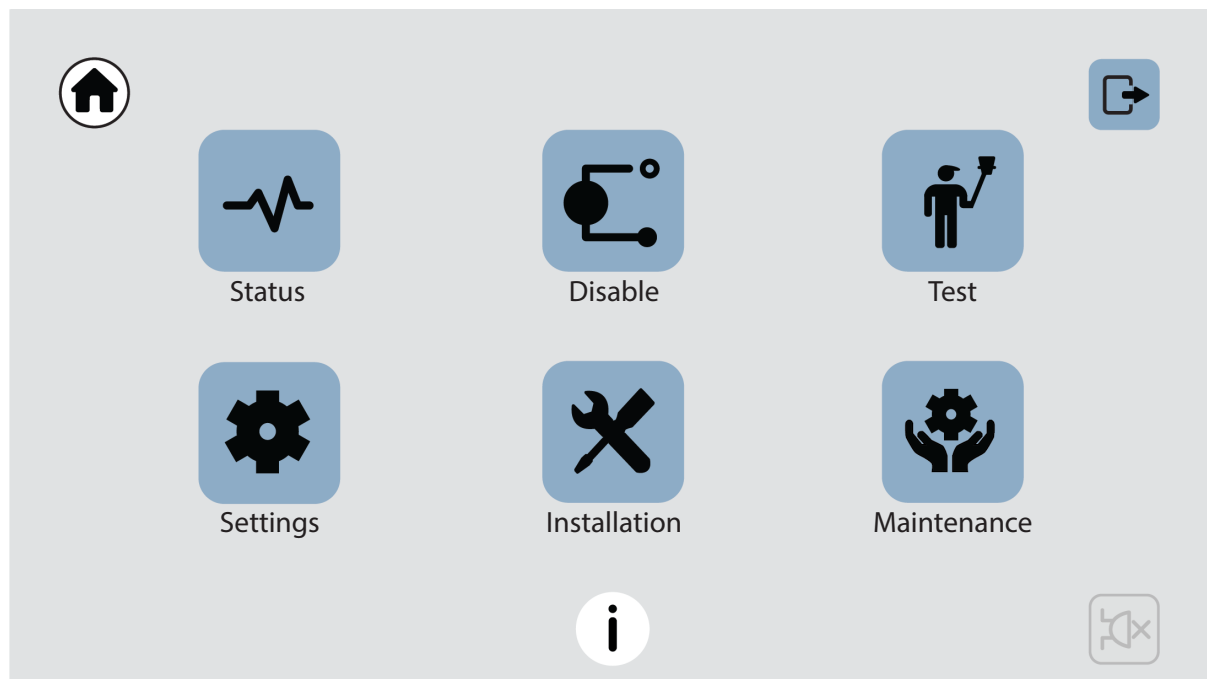
- LAA alarm
- Evacuate information
- Fault list
- Disablement
- Zones in "Test mode"
- Interlocking input / output active
- Technical warning
- Service signal activated
- Service mode activated
- Sensitive fault detection



*When the event tab page is shown, the screen backlight will go down to 10% after 5 minutes. It will never turn off.*

## 7. MENUS

The following chapters describe the menus in the CIE and the procedures to use them.



There are different access levels for different menus, see chapter [5. USER LEVELS](#) on page 8.

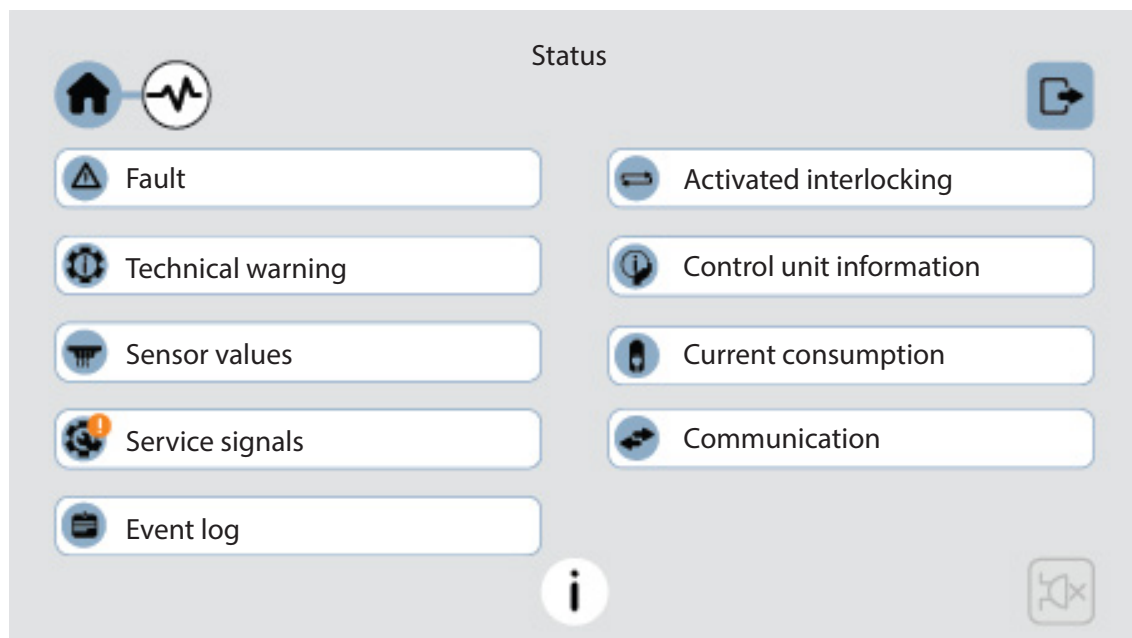
The menus and buttons are greyed out when disabled or inactive.

For general information on navigation in the menu system, see chapter [4. NAVIGATION / GENERAL PROCEDURES](#) on page 7.
















## 7.1. STATUS

Information only.


- Log on to the CIE.
- Navigate to menu  > . A sub menu list will be displayed.

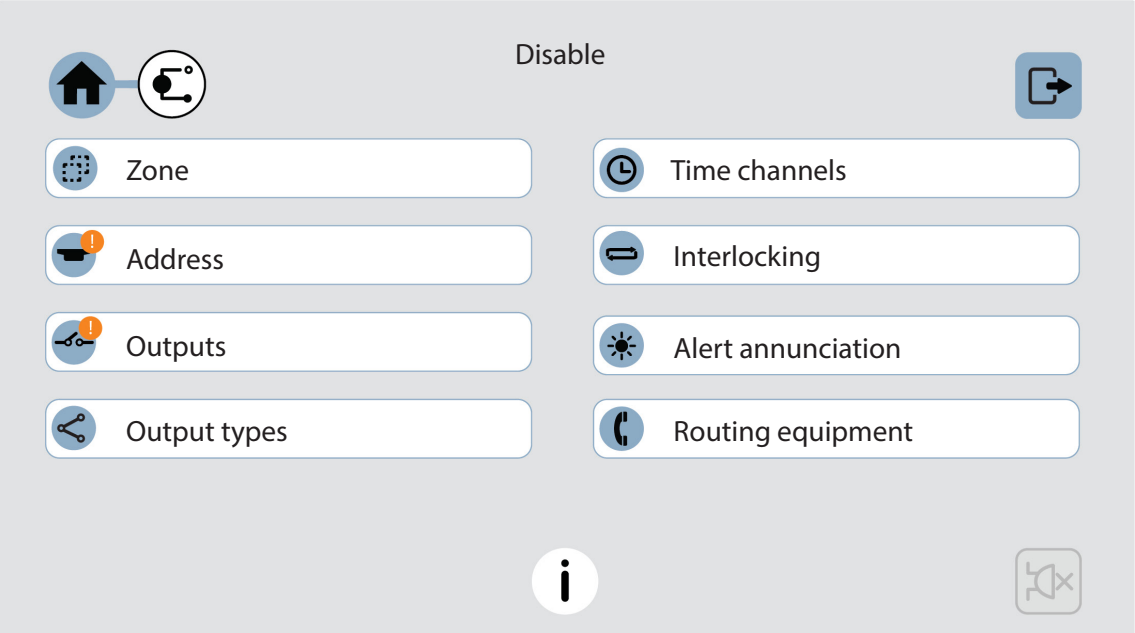


The symbol  is indicating one or more events in the underlying menu.

















	<b>Fault</b>	Scroll in the list to see all faults. To acknowledge a fault, press  or press  to acknowledge all.
	<b>Technical warning</b>	Scroll in the the list to see all activated technical warnings. Press  to reset all technical warnings.
	<b>Sensor values</b>	Information on heat, smoke or multi detector sensor values.
	<b>Service signals</b>	This is a list of the sensor(s) having activated service signal. Service signal is acknowledged via menu  >  >  , which require log on with a password for access level "Service personnel".
	<b>Event log</b>	Three event logs are available: <ul style="list-style-type: none"> <li>• A alarm log – Alarm events.</li> <li>• Interlocking log - Interlocking events only.</li> <li>• General event log – All other type of events.</li> </ul>
	<b>Activated interlocking</b>	If one or more interlockings are activated in the system,
	<b>Control unit information</b>	<ul style="list-style-type: none"> <li>• Main board version: x.x.x</li> <li>• MMI board version: x. x.x</li> <li>• Alarm counter: nnn</li> <li>• Max number of allowed alarm points: xxx</li> <li>• Serial number: xxxxxxxx</li> <li>• Control unit: NN</li> </ul>
	<b>Current consumption</b>	Show current consumption for Power supply, Battery, or Loop
	<b>Communication</b>	Statistics for communication <ul style="list-style-type: none"> <li>• Number of pollings</li> <li>• Parity fault</li> <li>• Bit faults</li> <li>• Bit length fault</li> <li>• No answer</li> </ul>








## 7.2. DISABLE

- a) Log in to the CIE.
- b) Navigate to menu . A sub menu list will be displayed.




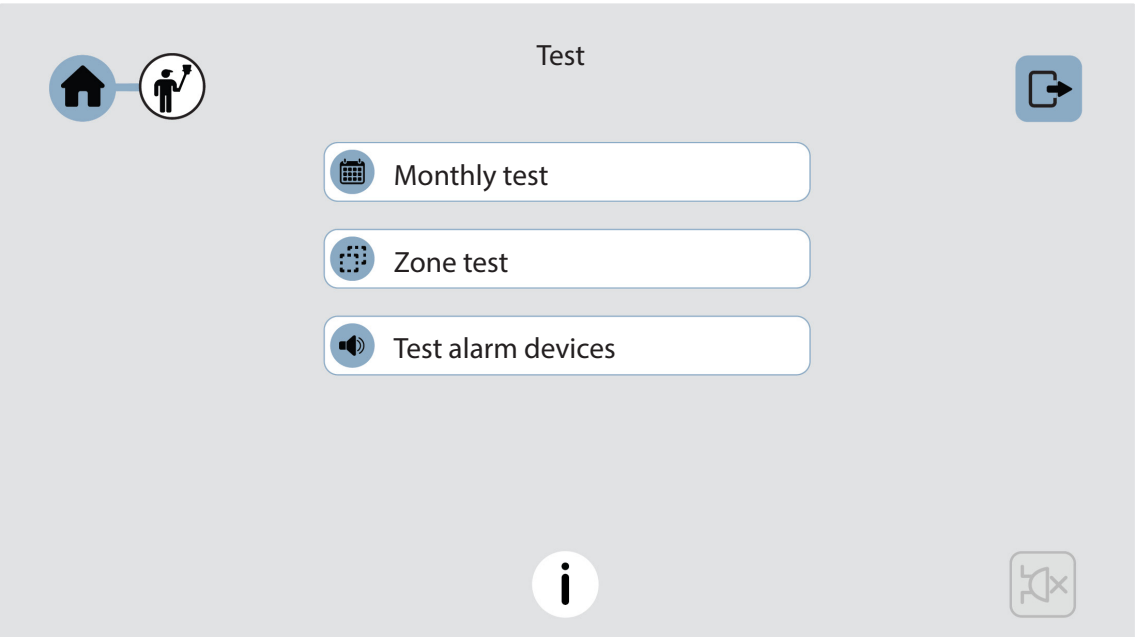
LED  "Disablement" and the symbol  is indicating one or more disablements in the system.









	<b>Zone</b>	<p>Disable zone</p> <p>Enter the zone number,  one by one or  in range.</p> <p>If "Automatically re-enablement" shall be used, insert time (hh:mm).</p> <p>Re-enable</p> <p>Press the button  to re-enable a zone or  to re-enable all zones.</p>
	<b>Address</b>	<p>Disable address</p> <p>Enter the zone number  and address .</p> <p>If "Automatically re-enablement" shall be used, insert time (hh:mm).</p> <p>Re-enable</p> <p>Press the button  to re-enable a zone address or  to re-enable all zone addresses.</p>
	<b>Outputs</b>	<p>Disable output</p> <p>Press  to disable control unit output S1</p> <p>Enter the technical address and output number address and press  to disable the loop unit output.</p> <p>Re-enable</p> <p>Press the button  to re-enable an output or  to re-enable all outputs.</p>
	<b>Output types</b>	<p>Disable output type</p> <p>The different output types are listed:</p> <ul style="list-style-type: none"><li>• Control outputs</li><li>• Ventilation outputs</li><li>• Extinguishing outputs</li><li>• Interlocking outputs</li><li>• Alarm devices</li></ul> <p>Use the switches to toggle between:</p> <ul style="list-style-type: none"><li>- Enabled</li><li>- Disabled</li></ul>

	<b>Time channels</b>	This is a static list of all disablements by time channels in the system
	<b>Interlocking</b>	<p>Disable Enter the area number and address. Press  to disable the output Re-enable Press the button  to re-enable a output or  to re-enable all outputs.</p>
	<b>Alert annunciation</b>	<p>Disable By default Alert annunciation is selected. Use the switches to toggle between:</p> <ul style="list-style-type: none"> <li>- Enabled</li> <li>- Disabled</li> </ul>
	<b>Routing equipment</b>	<p>Disable routing equipment The different output types are listed:</p> <ul style="list-style-type: none"> <li>• Fire</li> <li>• Faults</li> </ul> <p>Use the switches to toggle between:</p> <ul style="list-style-type: none"> <li>- Enabled</li> <li>- Disabled</li> </ul>


### 7.3. TEST MENU

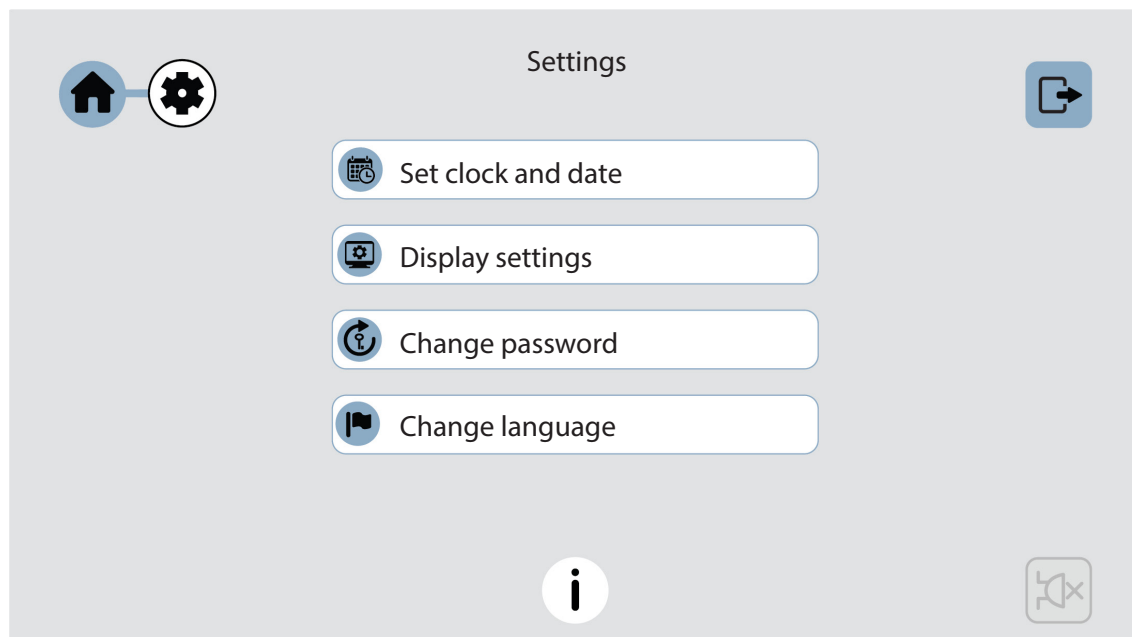
- a) Log in to the CIE.
- b) Navigate to menu . A sub menu list will be displayed.







	Monthly test	<p>The control unit and the installation shall be tested on a regular basis. In test mode, only the alarm points are set to test mode and no outputs (sounders) will be activated during the test.</p> <ul style="list-style-type: none"><li>• Set zones in testmode</li><li>• Test LEDs</li><li>• Test of routing equipment</li></ul>
	Zone test	<p>Up to 100 zones can be set in test mode. In test mode, only the alarm points are tested.</p> <p>Enter the zone number,  one by one or  in range, and press  to start the test.</p> <p>Press the button  to end the test mode of a zone or  to end test mode of all zones.</p>
	Test alarm devices	<p>All programmable outputs in the control unit, of type "Alarm device" or "Alarm device for evacuation", can be collectively activated to test the alarm devices.</p> <p>Use the switches to toggle between:</p> <ul style="list-style-type: none"><li>- Start test</li><li>- End test</li></ul>

## 7.4. SETTINGS

- Log in to the CIE.
- Navigate to menu . A sub menu list will be displayed.




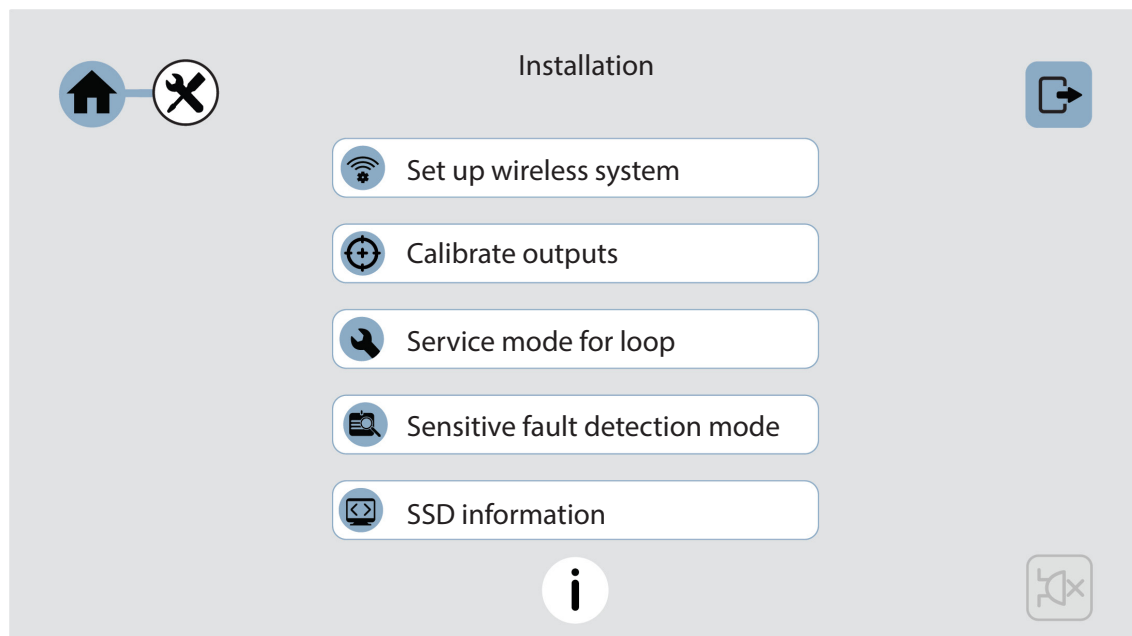
	<b>Set clock and date</b>	Normally, date, day of the week and time only have to be set when the power is turned on the control unit for the first time. If required, the clock might be corrected.
	<b>Display settings</b>	The touch screen brightness is default set to 100%. The brightness may need to be changed due to the lighting conditions.
	<b>Change password</b>	<p>Normally the user names and passwords are downloaded / changed via EBLWin and SSD download. A logged on person (user name) can also change his/her password via this menu. A password changed via this menu will be valid until it is changed again or it is erased via EBLWin.</p> <p>If the valid password(s) are unknown, EBLWin must be used to change the password(s).</p>
	<b>Change language</b>	In this menu you can set the language used in the control unit.











## 7.5. INSTALLATION

Only authorized personnel have access to the installation menu and a password for level 3A (Service technician) is required.


- Log in to the CIE.
- Navigate to menu . A sub menu list will be displayed.

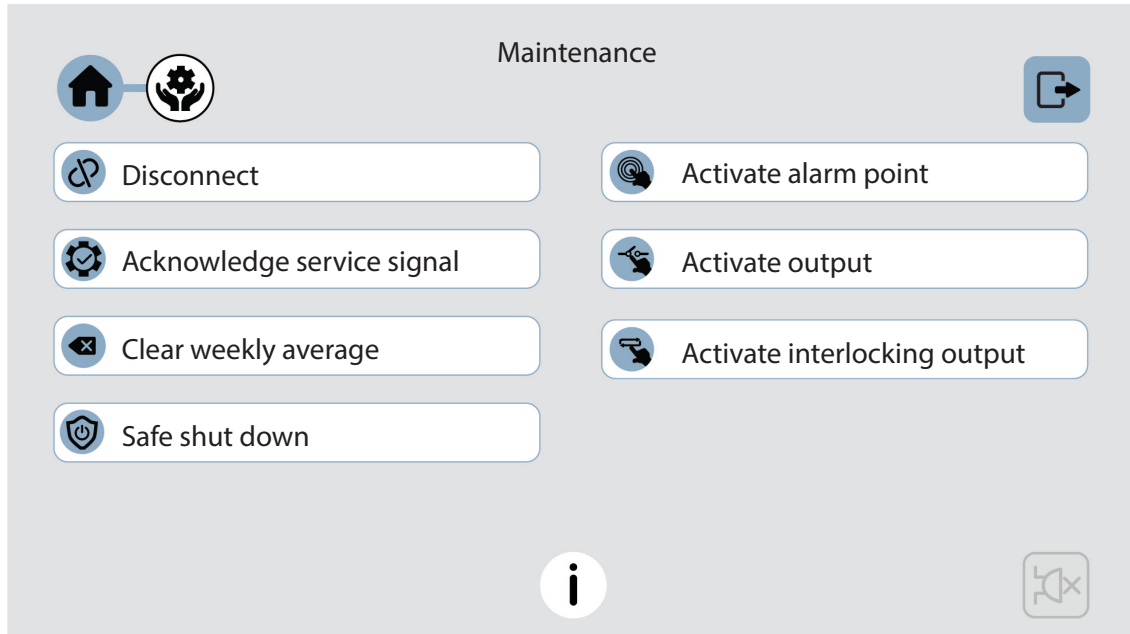

























	<b>Set up wireless system</b>	<p>This function can be used by commissioning / service engineer to set a Base station for wireless units (4620). Write the technical number for the base station. Press the buttons to select between the states:</p> <ul style="list-style-type: none"> <li>- Register</li> <li>- Unregister</li> <li>- Install</li> </ul>
	<b>Calibrate outputs</b>	<p>When all alarm devices have been connected, including required end-of-line devices and when the SSD is downloaded, a calibration has to be done.</p> <p>Press  to start calibration of supervised outputs.</p> <p>Press  again when the calibration is ready.</p>
	<b>Service mode for loop</b>	<p>This mode can be used when commissioning an installation and by maintenance. Select between A Direction, B Direction, or both directions.</p> <p>Press the button  to end the service mode.</p>
	<b>Sensitive fault detection mode</b>	<p>To increase the possibilities to detect faults during the commissioning, it is possible to use the "Sensitive fault detection mode".</p> <p>Use the switches to toggle between:</p> <ul style="list-style-type: none"> <li>- Activate</li> <li>- Deactivate</li> </ul>
	<b>SSD information</b>	<ul style="list-style-type: none"> <li>• SSD name</li> <li>• Downloaded</li> <li>• User</li> <li>• EBLWin key</li> <li>• Computer</li> <li>• Domain</li> <li>• Convention</li> <li>• Download count</li> </ul>

## 7.6. MAINTENANCE

Only authorised personnel have access to maintenance menu and a password for level 3A (Service technician) is required.

- Log in to the CIE.
- Navigate to menu . A sub menu list will be displayed.



	<b>Disconnect</b>	Before physical connection / disconnection of loop units, etc. the loop (or zone interface input) shall be disconnected (voltage free) in order to avoid damage on the units and the CIE. Use the drop-down to select between COM loop or SUB-loop. Press the  to re-connect a loop / zone interface or  to re-connect all loops / zone interface.
	<b>Acknowledge service signal</b>	Only 2840 have to be acknowledged Scroll in the list. To acknowledge a sensor press  or press  to acknowledge all sensors.
	<b>Clear weekly average</b>	Valid only for 2840: If a sensor (analog smoke detector) is replaced without having generated SERVICE signal, its week average sensor value has to be cleared and set to the default value. Enter the wanted zone and address and press  to clear the week average sensor value.
	<b>Safe shut down</b>	It's recommended to do a safe shut down of control unit before you power off the control unit, which means disconnecting it from 230V AC and battery. Safe shut down will save the SSW in a Flash memory and put the CPUs at rest.  Press  to start the safe shut down.
	<b>Activated alarm point</b>	One alarm point (zone-address), not a whole zone, can be set in alarm. Enter the wanted zone and address. Press  to start the alarm mode of this zone address. Press the  to reset the alarm point or  to reset all alarm points.
	<b>Activated output</b>	Via this menu, a loop unit output and control unit output can be activated and reset. Press  to activate control unit output S1 or enter the technical address of the loop unit and press  to activate. Press the  to reset an output or  to reset all outputs.
	<b>Activate interlocking output</b>	The output in each interlocking combination (area / point) can be manually activated via this menu. Enter the area number and address and press  to activate. Press the  to deactivate an output or  to deactivate all outputs.

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DOCUMENT NAME: DAILY USER'S MANUAL EBLOne  
DOCUMENT NUMBER: MEW02823  
DATE OF ISSUE: 2023-05-16  
REV: -  
DATE OF REVISION: -

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