



**EBLWEB APPLICATION
EBL APP**

Fire alarm solutions
technical description

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1. INTRODUCTION

This document describes the EBLWeb Tool Application, EBL App.

EBL App is a web-server based application tool for use with mobile smart phones or tablets. The tool consists of several functions that can be used during monthly check up of a EBL fire alarm system such as; Test mode activator, LED activator, Output activator and Check loop.

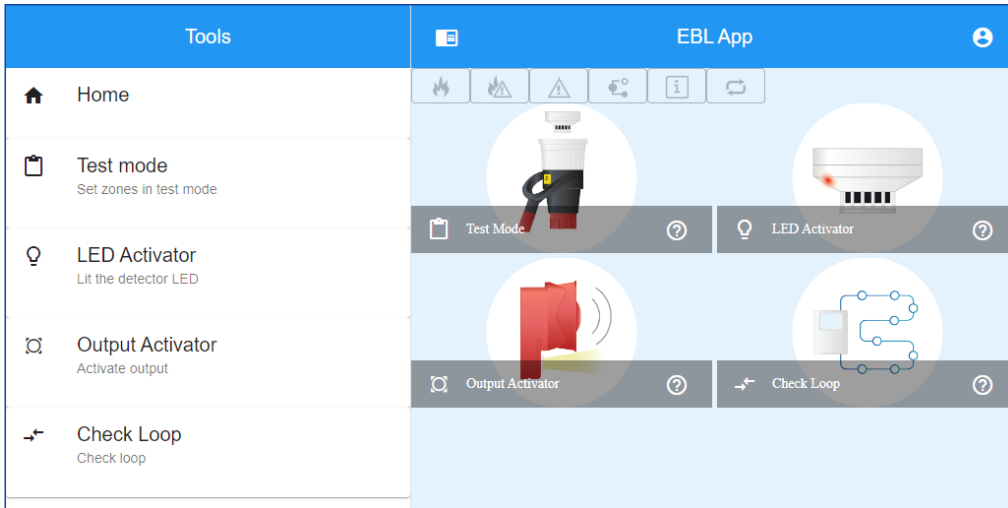
2. ABBREVIATIONS

CIE	Control and indicating equipment
EBLWeb	Web browser interface for web-server / web-server software
LED	Light Emitting Diode

3. GENERAL DESCRIPTION

EBL App is a web-application for EBLWeb that includes several tools for checking an EBL system during monthly tests or at installation.

The app can be used for example to simplify commissioning and service of the EBL system. The user can walk around on the site and get fire alarms and disablements presented on the screen.



EBL App application provides the functionality to:

- Set zones in test mode
- Lit the detector LED
- Activate different outputs
- Perform a check loop

Within each tool, there is a report functionality, where it is possible to create a signed PDF of the current log.

3.1. EXPLANATION OF SYMBOLS

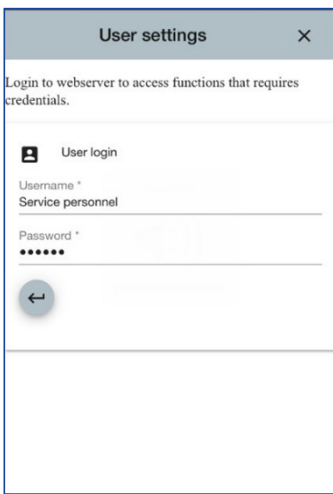
LOGON

To log on to the EBL App, a user name and password are required. The user name and password used in the EBL App is the same as configured for the CIE and/or the Web-server / Gateway. The user level types are grouped as follows:

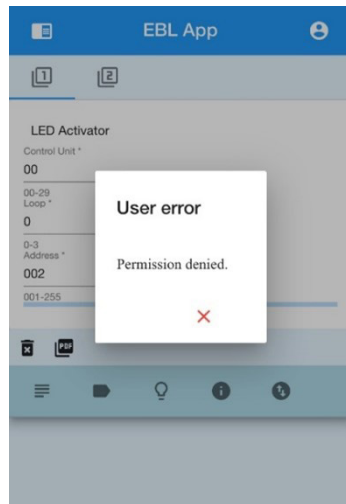
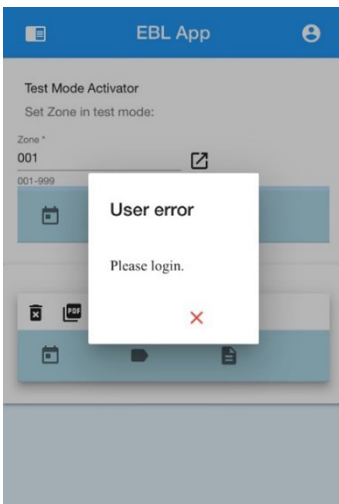
- Information only
- Building officer
- Service personnel

See the description of each tool to see which user level type are needed for the function.

To log on, click on the user icon on the upper right corner of EBL App.



If there is no user logged in, or if the user does not have the right user level type, different error messages will be shown.

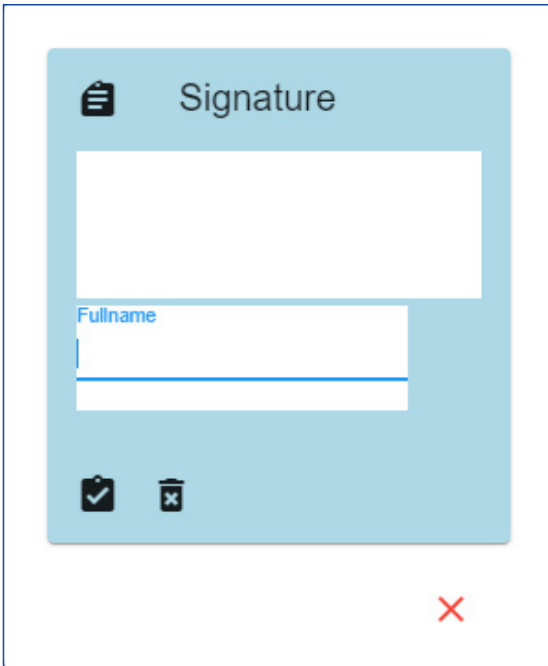


HIDE/SHOW MAIN MENU 

Press the symbol to expand or collapse the main menu.


PRINT PDF 

Events related to each tool will be collected into their respective log, which can be saved as PDF. When you press the button a pop up window will appear, and you can sign the PDF before downloading.



CLEAR LIST 







Press the symbol to clear the log for each tool.

START AND STOP BUTTONS  

The start and stop buttons are used to toggle the LED on the unit and to deactivate/re-activate the outputs.

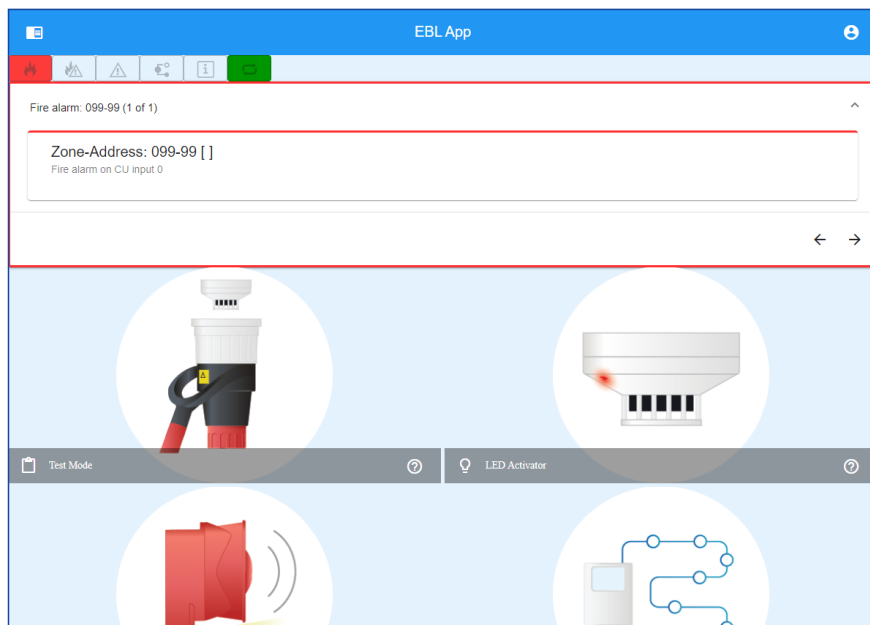
3.2. STATUS BAR OVERVIEW

The status bar shows a summary of all the monitored deviations.

Symbol explanation	
	Fire alarm
	Pre-warning/Co-incident/Quiet/Delayed alarm
	Fault
	Disablement
	Technical warning
	Interlocking

When the user is logged on and a real fire alarm occurs, the fire alarm information will be sent to the EBL App. An alarm text can be presented together with each alarm, if programmed in the CIE or in EBLWin.

If there are two or more alarms in the system, you can scroll amongst the alarms.



4. INSTALLATION

The application resides in the same web-server as EBLWeb and can be accessed via web-address

URL: <http://<web-server-ip>/app.html>.

To make it easier to open EBL App as an application, you can save the link as home screen shortcut. This will make EBL App look more like a native phone application on the home screen.



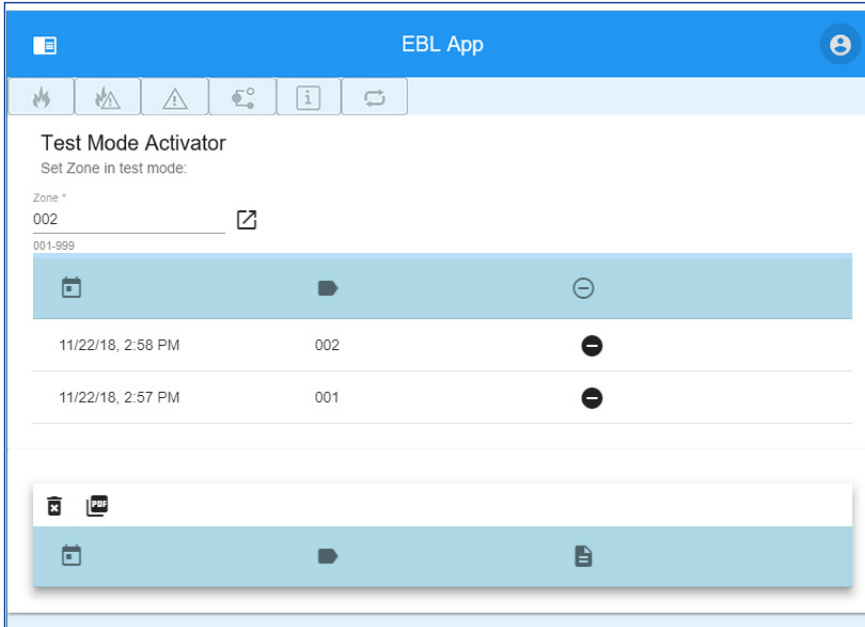
4.1. REQUIREMENTS

EBL App is a web based application and will need to be connected to a working network connection, so that it can be accessed either via Intranet (Wi-Fi) or Internet (Wi-Fi or 3G/4G), depending on the accessibility of the network connection.

5. TOOLS

5.1. TEST MODE ACTIVATOR


User level type: Building officer



Test mode activator is used to put zone(s) in test mode. Up to 100 zones can be set in test mode.

In test mode, only the alarm points are tested, no outputs (sounders) will be activated during the test.

With this function the testing personnel can walk around and set detectors in test fire and get both visual and voice feedback of the test fire via the app. All tested alarm points will be collected in a log.

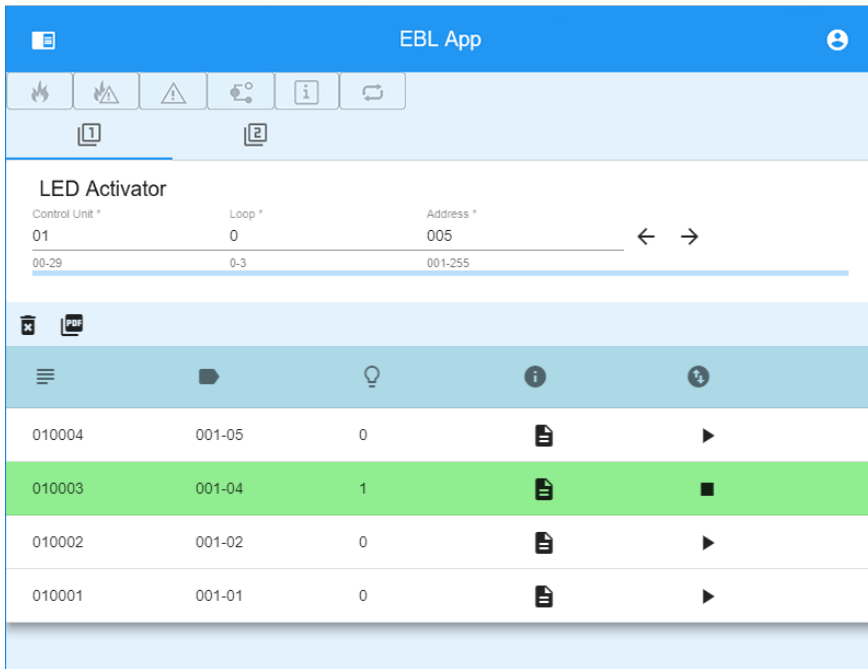
The zone(s) will stay in test mode until the test mode is ended, or it will be automatically ended one hour after the latest test alarm. Press the  to end the test mode for each zone respectively. The test mode can also be ended via the CIE.

Perform the test as quickly as possible, since the outputs for routing equipment are disabled during the test mode. Also the parts of the zones in test mode, not visible for the test personnel, are disabled

If an alarm point (for example a manual call point) is in alarm state when the test mode is ended, there will be a fire alarm activated.

5.2. LED ACTIVATOR

User level type: Service personnel



LED Activator is used to activate the LED on the unit. Choose between two different modes to select the unit:

Mode 1: enter technical number

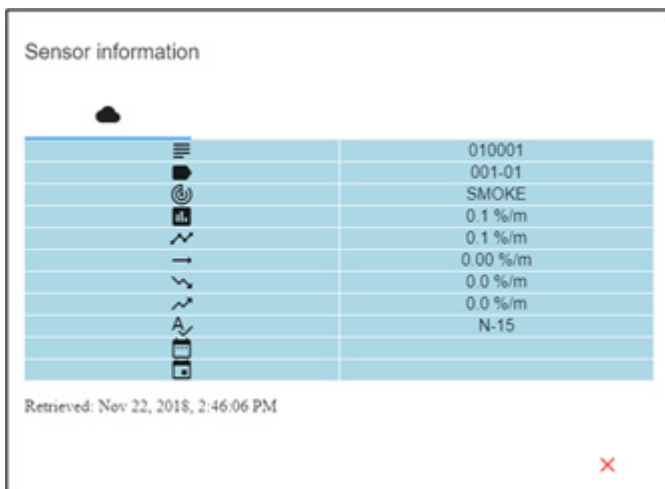
Mode 2: enter presentation number.

The address will auto-increment to the next.

Each LED activation attempt will be collected in a log. The log event will be marked green when the LED is lit or yellow if the LED didn't lit successfully.

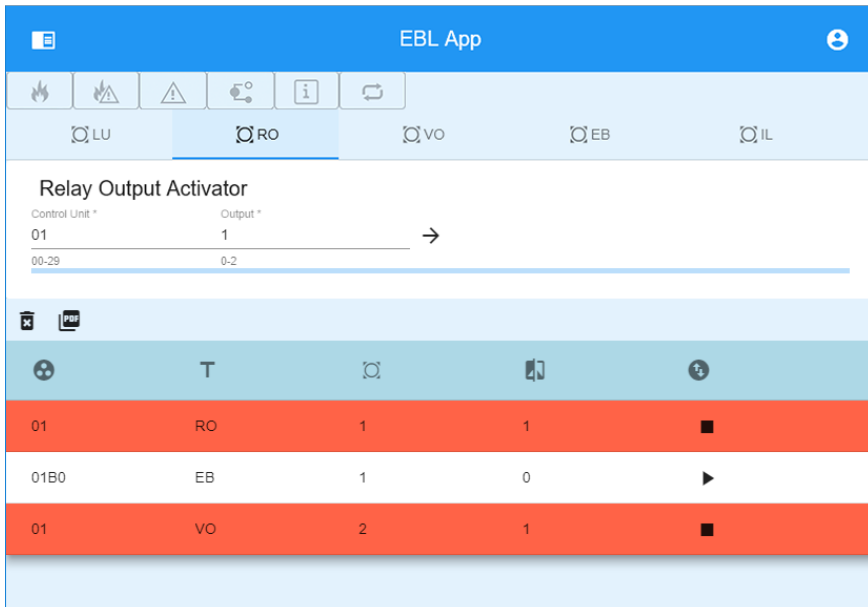
It's also possible to toggle the LED in the log via START and STOP buttons.

Press to see the sensor values for each unit.








5.3. OUTPUT ACTIVATOR






User level type: Service personnel



Output activator is used to activate different kinds of outputs to test the function. Choose which type of output to activate via the different tabs:

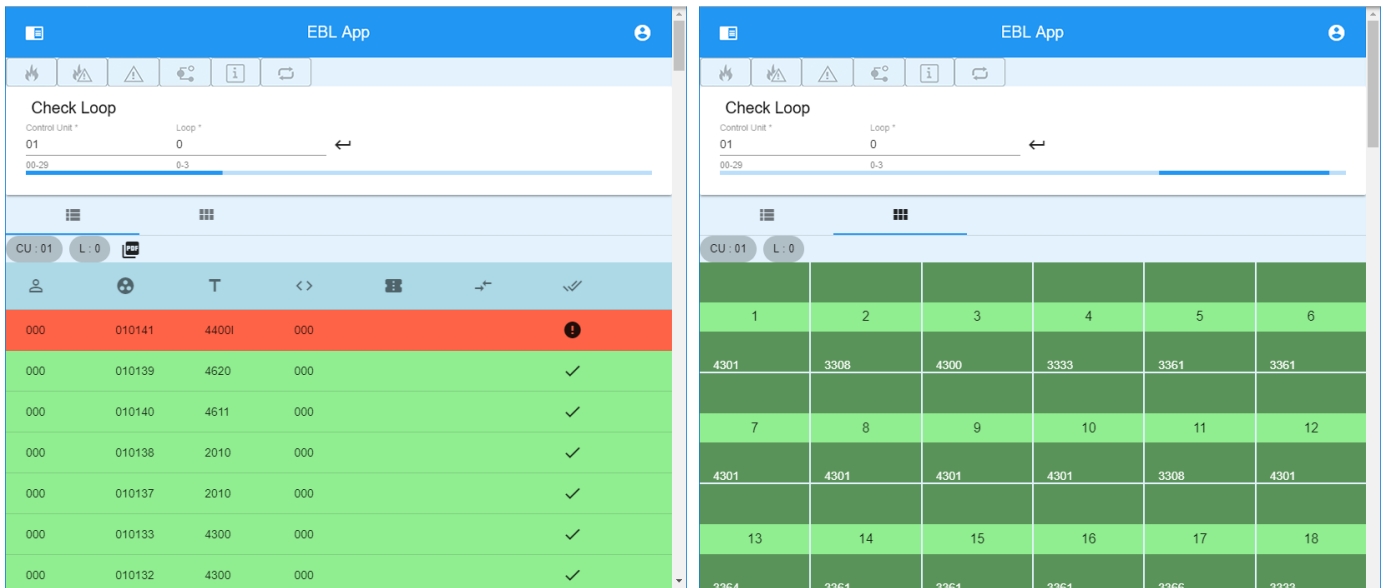
-  LU: Loop unit output
-  RO: Relay output
-  VO: Voltage output
-  EB: Expansion board output
-  IL: Interlocking output

Each activation is collected in a common log for all outputs. The log event will be marked red when the output is activated. It is possible to deactivate/re-activate the outputs via the START and STOP buttons in the log.



Symbol explanation	
	Output
	Loop unit type
	Output number
	Active
	Activate / deactivate

5.4. CHECK LOOP








User level type: Service personnel








Perform a check loop via EBL App. Only one loop can be checked at the time, and the results are presented in two different views:

- List view : A list of each loop unit detected at the same order as the control unit reports back to the web-server / gateway.
- Matrix view : See all the addresses available on the loop, and those addresses that has a loop unit will be filled with unit type and address.

SUB-loops are supported by color coding and parent numbers. The loop units that are belonging to a specific SUB-loop will have the same color marked as the SUB-loop unit (COM loop repeater 4585).

Column explanation	
	Parent
	Technical number
	Loop unit type
	Sequence number
	Serial number
	SASB
	Status

Status symbol explanation	
	OK
	Fault
	Short circuit
	Open circuit
	OK, but the unit is in alarm state

6. TECHNICAL DATA

Hardware	1598 - Web-server II 5088 - Gateway
Software	EBLWeb ≥ v. 2.6.x
Configuration:	User access configuration same as EBLWeb, configured via EBLWin.
Validated web browsers on smart phones	Safari, Google Chrome

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