



BAB
TECHNOLOGIE



ELMMODULE

EMERGENCY LIGHTNING MONITORING.

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The **ELMMODULE** is designed to monitor the emergency lighting by means of the ABB DGNS 1.16.1. It facilitates the manual/automatic triggering of emergency lighting tests for DALI emergency lighting ballasts. Further it captures the results of these tests and enables the user to view, download and print the most recent results of selected areas of the building. The triggered tests available for DALI emergency luminaires are as follows:

- **Function test:**

This will simulate a power failure to the luminaire, forcing the lamp to enter an emergency state, powering the lamp by the integrated battery for 30 seconds.

- **Partial Duration test:**

This will put the luminaire in a full power failure state for half of the rated duration of the battery (usually 1.5 hours).

- **Full Duration test:**

This will put the luminaire in a full power failure state for the full rated duration of the battery (usually 3 hours).

- **Battery test:**

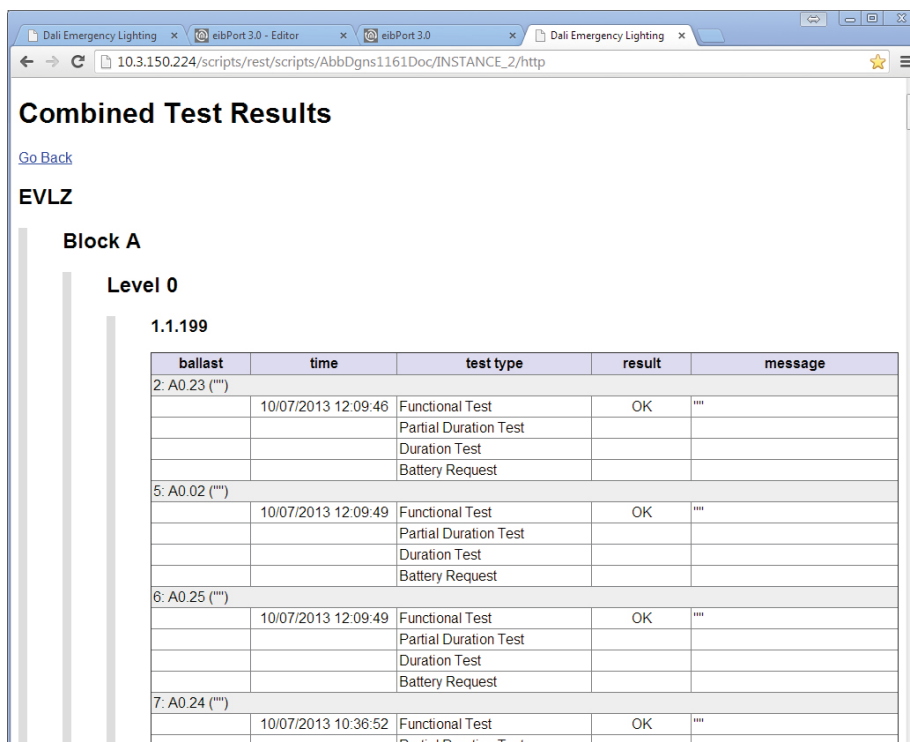
This will, upon completion of a duration test, indicate the current charge state of the battery.

The system will log the most recent result or each type of test for each ballast and display those results in a report generated using a interface.

PRODUCT APPLICATION

THE **ELM**MODULE IN OPERATION

ELMMODULE DISPLAYING A TEST PROTOCOL



Combined Test Results

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EVLZ

Block A

Level 0

1.1.199

ballast	time	test type	result	message
2: A0.23 (""')				
	10/07/2013 12:09:46	Functional Test	OK	""'
		Partial Duration Test		
		Duration Test		
		Battery Request		
5: A0.02 (""')				
	10/07/2013 12:09:49	Functional Test	OK	""'
		Partial Duration Test		
		Duration Test		
		Battery Request		
6: A0.25 (""')				
	10/07/2013 12:09:49	Functional Test	OK	""'
		Partial Duration Test		
		Duration Test		
		Battery Request		
7: A0.24 (""')				
	10/07/2013 10:36:52	Functional Test	OK	""'
		Partial Duration Test		

OVERVIEW TECHNICAL DATA

Artikel Nr.: 10580

- Operating voltage: 12–32V DC
 - Typical power consumption: 300 mA at 12 V
 - Power consumption: <= 5 W
 - Connections: Power over Ethernet (PoE) or power supply via pluggable screw terminal
 - Environmental conditions: EN 50090-2-2
 - Ambient temperature: –5 bis + 35 °C
 - Storage temperature: –10 bis + 60 °C
 - Relative humidity (non-condensing): 5 % bis 80 %
- Mechanical Data:
- Mounting: MDRC 4 MW
 - Dimensions (W x H x D) in mm: 70 x 90 x 63
 - Housing: Plastic
 - Protection type: IP20 (acc. to EN 60529)
- Interfaces
- Ethernet via RJ45 connector
 - SD-Card-Slot: Card has to be plugged in permanently
 - KNX®/TP- and EnOcean® connection pending preparation
- Features:
- Limited to 35 ABB DGNS 1.16.1 gateways
- Software requirements:
- Operating system: independent
 - Communication: network interface
 - Browser: current standard browser

The specifications in the flyer refer to the current production status of the devices. We reserve the right to make changes with regard to technology and design. Our General Terms and Conditions of Sale, Delivery and Payment shall apply exclusively.

everywhere at home



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