

SELF TESTING MAINTAINED EMERGENCY ILLUMINATION SIGNS WITH WHITE LEDs



TECHNICAL CHARACTERISTICS (for LED MODULE specifications see page 4)

	SLD-28/DZ	SLD-34/DZ	SLD-44/DZ
Mains voltage	220-240V AC/50-60Hz		
Maximum power consumption	9 VA	9.5 VA	
Battery (Ni-MH)	3.6V/1.5Ah		
Battery protection	Overcharging and deep discharging protection		
Indications	Charge LED, Lamp LED, Fault LED, Test Button		
Recharging time	24h		
Minimum emergency duration	3h		
Light source intensity (230V) / (emerg.)	100lm /100lm	125lm /125lm	
Degrees of cover protection	IP30		
Produced in accordance with	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3		
Operation temperature range	5 to 40 °C		
Relative humidity	up to 95%		
Construction materials	ABS/PC, aluminum, Acrylic plate		
External panel's dimensions	280x120x15mm	340x190x15mm	440x240x15mm
External unit's dimensions	289x65x34mm		
Typical weight	680gr.	1020gr.	1380gr.
Guarantee	3 years (1 year for the battery)		

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Description

The luminaire consists mainly from two parts.
The body, where all the electronics are located and the lamp-head where the indication sign and the high efficiency LEDs are located.

Maintained/Non maintained selection capability

Power on the device and press continuously the TEST button for 10 seconds, until the led strip turns off. Release the button and after a short emergency test, the device operates as non-maintained. If you want to restore the previous condition (maintained operation), press continuously the TEST button for 10 seconds, until the led strip lights. Release the button and after a short emergency test, the device operates as maintained illumination sign.

Installation

To install the illumination sign follow the installation instructions on page 2.

Battery Charging

The battery charging is completely controlled. In this case, is achieved the perfect battery maintenance, as well as the elongation of its duration. When the battery has completely charged, it charges with a maintenance current.

Battery Cut-off

The luminaire enters in this operation when the mains power supply fails and battery has lost its energy. During this operation the luminaire enters the idle state and battery consumption is negligible, in order to be protected from deep discharge.

Manual Test

The manual test can be conducted only if the mains power supply and the battery is connected. By pressing the test button briefly an operation test is initiated. During this test period all indication LEDs are OFF.

Automatic Test

This test includes all the operations that provide the manual test and is conducted automatically every 15 days. In order to be performed, the mains power supply and the battery should be connected.

Automatic Autonomous Test

The Automatic Autonomous Test is conducted and measures the luminaire's back up operation. This test is conducted automatically every six months. In order to be performed, the mains power supply and the battery should be connected (the battery should be charged). If the battery is not charged, the test is postponed until the battery is completely charged. If during the

Automatic Autonomous Test the luminaire's duration is lower than the nominal, then the battery must be replaced.

Back Up Operation

The autonomous duration of battery during emergency mode is at least the one that is stated in the list of the first page. During emergency mode, a LED strip test is also performed.

Resetting Errors

Push the Test button for >5 seconds, to delete all the indicated LED errors. Then the luminaire enters regular operation mode.

Indication LED status (with connected mains power supply).

Charge

On: Good charge current.

Off: No battery (No charging current or disconnected battery).

Lamp Fault

On: Faulty LED strip or back up circuit.

Off: Good LED strip or back up circuit.

Battery Fault

Off: Battery OK.

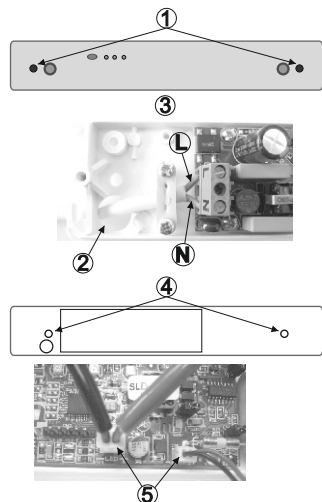
Blink (With Charge LED ON): Autonomy or low battery problem **(the battery must be replaced).**

Blink (With Charge LED Off):

No charging current or disconnected battery.

Installation instructions

- ① Remove the front plastic cover by unscrewing the two retaining screws.
- ② Pass the mains cables through the hole of the plastic base.
- ③ Connect the live and the neutral wires to the terminal block as shown in the picture.
- ④ Mount the device by installing the included mounting accessories in the holes or use the A-3018 mounting springs for suspended ceiling mounting.
- ⑤ Install LED strip and battery connectors to the appropriate PCB connectors.
- ⑥ Refit the front plastic cover by screwing the two removed screws in step 1, and power on the device.



NOTE!!

After finishing the installation you must power the device at least for 24 hours for battery charging to perform the nominal autonomy.

Battery replacement

It can be done only by a competent person and after the mains interruption

1. Follow the step 1 of the installation instructions.
2. Disconnect the connector and remove the old battery.
3. Connect the new battery with the same type (step 5 of the installation instructions) and place it in the position of the old one.
4. Replace the removed parts (step 1) and power the device.

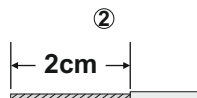
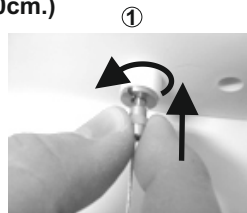
General:

1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.
3. In case of battery or light source replacement, these must be replaced by parts of the same type, by the manufacturer or by a competent person.
4. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
5. **It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.**



Changing the length of the panel's cables (initial length 50cm.)

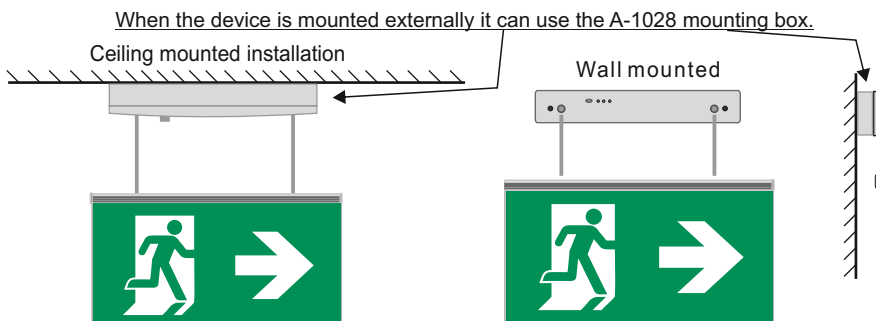
- ① To release the panel's cables unfasten the screw of the holding system and push forward.
- ② Cut the desirable length to shorten the cable and to ensure the electrical connectivity **strip the isolating wrap** for about 2cm from the edge of the panel's cable.
- ③ Follow the same steps for the second panel's cable.
- ④ Enter carefully each panel's cable, (to adjust the placement of the panel) by pushing forward the screw of the holding system.
- ⑤ After the adjustment of the panel, screw tightly the screws of the holding systems and power on the mains power supply .



ATTENTION!!

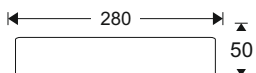
To disconnect the panel's cables, you have to power off the mains power supply and disconnect the battery.

Note: The length of the panel's cables can reach 1.5m after request.

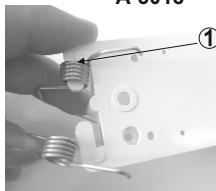


Recess mounted on suspended ceilings

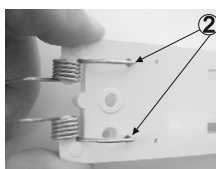
In recess mounting installation the required opening is 280 x 50 mm. The material must withstand the luminaires weight.



Placing the mounting springs A-3018



Place one part of the mounting spring first and then the other one.



Place the edges of the mounting spring as shown in the picture.

NOTE: LED= Light Emitting Diode
LABELING EXPLANATION:
X: Self contained
1: Maintained (*)
A: Including test device
G: Internally illuminated
180: 3 hours duration

(*) Maintained operation: The luminaire lights its illumination source, when it is powered by the mains power supply or not.

Non Maintained operation: The luminaire lights its illumination source, only in power supply's failure.



The light source contained in this luminaire shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

WARRANTY

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.

Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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LED MODULE CHARACTERISTICS

	SLD-28/DZ	SLD-34/DZ	SLD-44/DZ
Manufacturer	Olympia Electronics S.A.		
Model Number	0106163	2312083	1307083
Voltage Range	8.7-10.8V DC		
Nominal Power	0.78W	0.975W	
Connections	Cable connection between main pcb and led module		
Temperature (tc)	45 °C max. across the board		