

SELF TESTING MAINTAINED EMERGENCY ILLUMINATION SIGNS WITH WHITE LEDs



TECHNICAL CHARACTERISTICS (for LED MODULE specifications see page 4)

| | SLD-28/SP | SLD-34/SP | SLD-44/SP |
|--|---|--------------|---------------|
| 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 | 790gr. | 1110gr. | 1580gr. |
| Guarantee | 3 years (1 year for the battery) | | |

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GENERAL

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 to 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.

Battery Charging

The battery charging is completely controled. 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 Operatioanal 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 named, 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: Charge current OK.

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

Lamp Fault

On: Faulty LED strip.

Off: LED strip OK.

Battery Fault

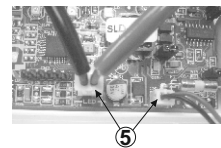
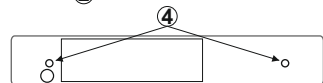
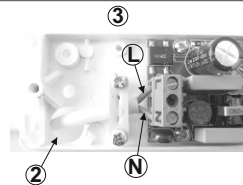
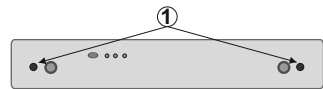
Off: Battery OK.

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 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.

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.**

Mounting methods

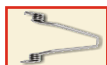
When the device is mounted externally it can use the A-1028 mounting box.



A-3018 mounting springs



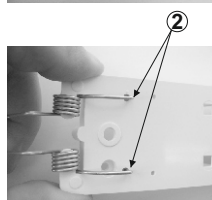
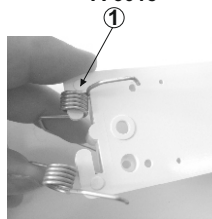
Mounting springs
for recess mounting



A-3018

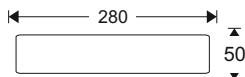
**Recess mounting
in suspended ceiling**

Placing the mounting springs
A-3018



- ① Place one part of the mounting spring first and then the other one.
- ② Place the edges of the mounting spring as shown in picture.

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



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.

ATTENTION!!

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



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.

LED MODULE CHARACTERISTICS

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

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.

HEAD OFFICE

72nd km. O.N.R. Thessaloniki-Katerini
P.C. 60300 P.O. Box 06 Eginio Pierias Greece

www.olympia-electronics.gr

info@olympia-electronics.gr