

## SELF-TESTING MAINTAINED ILLUMINATION SIGNS WITH WHITE LED's

TECHNICAL CHARACTERISTICS	SLD-34/DZ
Mains voltage	220-240V AC/50-60Hz
Maximum power consumption	9.5 VA
Batteries (Ni-MH)	3.6V/1.5Ah
Battery protection	Overcharging and full discharging protection
Indications	Charge LED, Lamp LED, Fault LED
Recharging time	24h
Minimum emergency duration	3h
Light source intensity (230V) / (emerg.)	100lm /100lm
Degrees of cover protection	IP 30
Produced in accordance with	EN 60598-1, EN 60598-2-22, EN 1838
Operation temperature range	0 to 40 °C
Relative humidity	up to 95%
Construction materials	Bayblend FR3010, aluminum, plexiglas
External panel's dimensions	340x190x15mm
External unit's dimensions	289x65x34mm
Typical weight	1020gr.
Guarantee	3 years (1 year for the battery)

### 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.

### Installation

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

### 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.

### 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.

### Manual Test

The manual test can be conducted only if the main 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 main 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 main 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.

### 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 extinguish all the indicated LED errors.

Then the luminaire enters regular operation mode.

**Indication LED status (with connected mains power supply).**

**AC Charge**

On: Good charge current.  
Off: No battery (No charging current or disconnected battery).

**Fault**

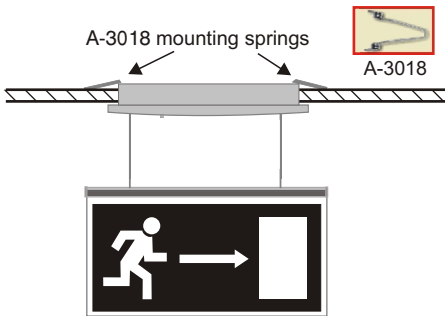
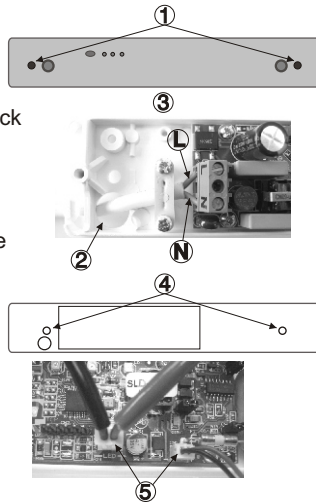
Off: Battery OK.  
Blink (With AC Charge LED ON): Autonomy or low battery problem (the battery must be replaced).  
Blink (With AC Charge LED Off): No charging current or disconnected battery.

**Lamp fault**

On: faulty LED strip.  
Off: Good LED strip.

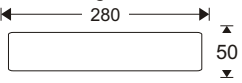
**Installation instructions**

- ① Remove the front plastic cover by unscrewing the two retaining screws.
- ② Pass the mains cables thru 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.

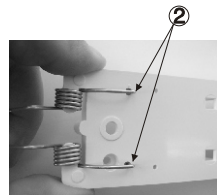
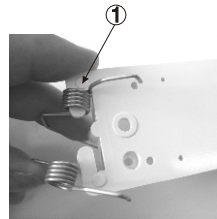


Recess mounted on suspended ceilings

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



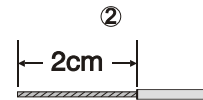
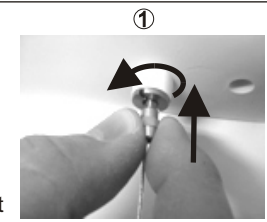
**Placing the mounting springs A-3018**



- 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.

**Changing the length of the panel's cables**

- 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 panels 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 .

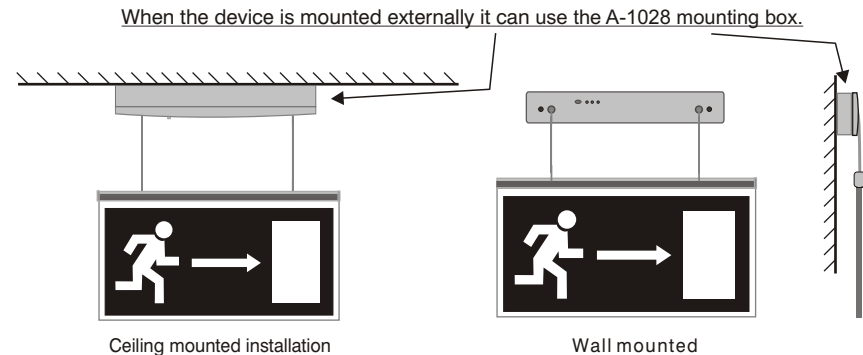


**ATTENTION!!**

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

**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 thru a fuse dependent by the total amount of the line's power load.
3. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
4. It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not burn.



**NOTE:**  
LED= Light Emitting Diode

**LABELING EXPLANATION:**  
X: Self contained  
1: Maintained  
A: Including test device  
180: 3 hour duration