

## Package Contents

1	Luminaire
1	Mounting Accessories
1	Manual
1	Label for 3 hours duration

## General

These devices are used indoors and outdoors (ta 40°C) in places where emergency light is needed. Each device must be permanently connected to mains power supply. In normal operation the battery is charging. In case of a mains power supply failure, the device enters emergency mode and the illumination LED turns on. When the mains power supply is restored the device turns to normal operation.

### Manual Operational Test

This test can be done by activating the magnetic contact briefly (less than 5 seconds). The light source and the emergency circuit of the device are tested. The manual test can be conducted only if the mains power supply and the battery are connected. During this test period the light source will be lit for approximately 3 seconds and the green LED will flash. The battery must have adequate charge. This test lasts for 3 seconds.

### Manual Autonomy Test

This test can be done by activating the magnetic contact for a time space between 5 and 10 seconds. In order to be performed, the mains power supply should be connected and the battery should be fully charged. During this test period the light source will be lit and the green LED will flash. This test last for the stated duration.

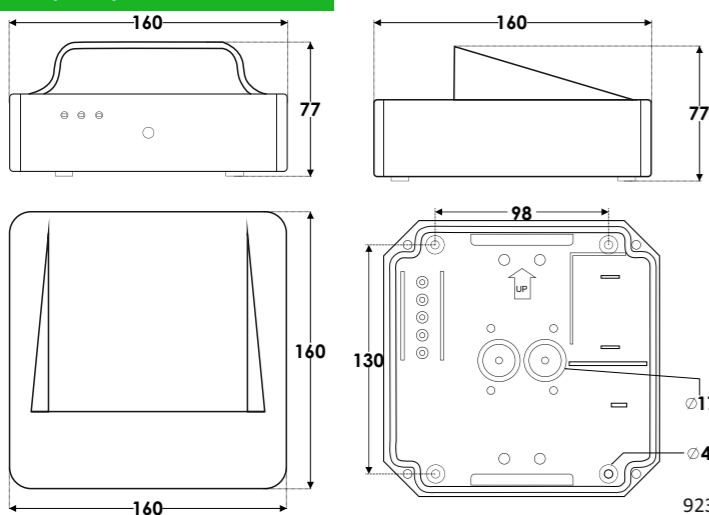
## Indications LED Status

CHARGE (green)	BATTERY FAULT (red)	LED FAULT (red)	Description
●	∅	∅	Normal
●	∅	∅	Charging (battery test not possible while charging)
○	∅	∅	Not charging
●	∅	∅	Battery/Light Source Test
∅	●	∅	Battery Fault
∅	●	∅	Battery not connected or charger fault
∅	∅	●	Light Source Fault

### Note:

●	Permanently ON
●	Slow Blink
●	Fast Blink
○	Off
∅	Indifferent

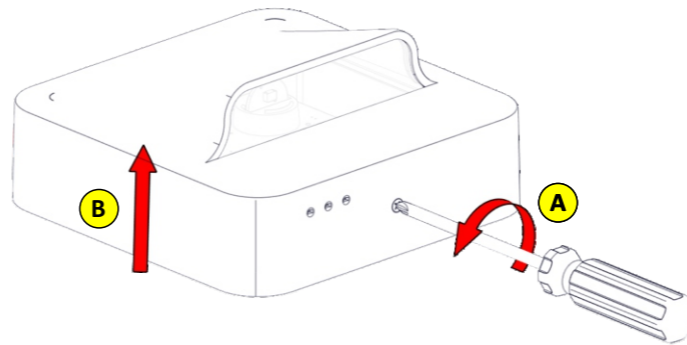
## Dimensions(mm) 160 x 160 x 77



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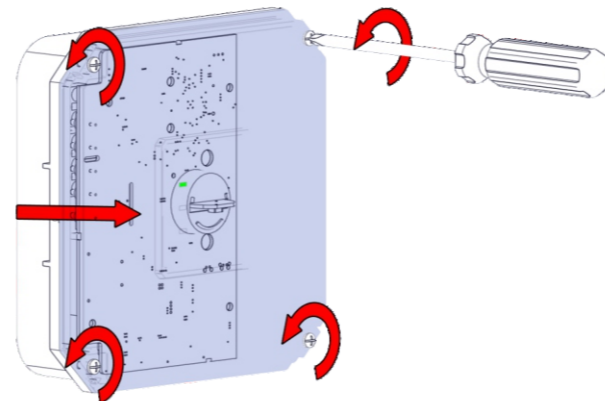
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## Installation Instructions



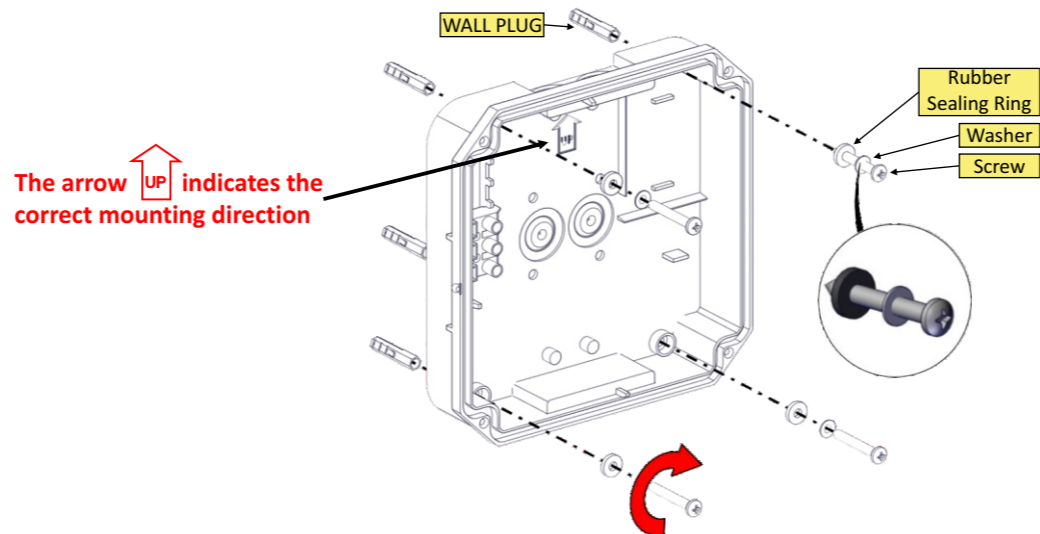
First, unfasten the front screw and then pull up to remove the cover.

1



First, unfasten the four retaining screws, without removing them and then pull up to remove the diffuser.

2



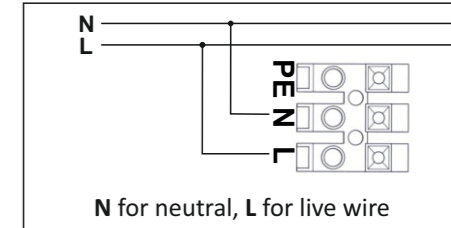
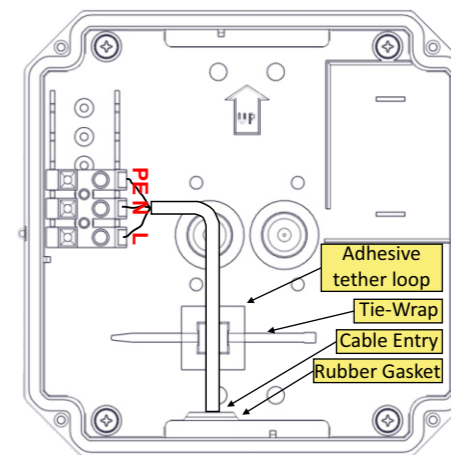
The arrow UP indicates the correct mounting direction

Use a drill bit with a 3mm bit to open the four mounting holes, locating in the plastic base. Place the base on the desired mounting location, mark and drill these four holes. Fit the four supplied wall plugs and mount the base by using the supplied rubber sealing rings, washers and screws. Pay attention to the orientation of the base.

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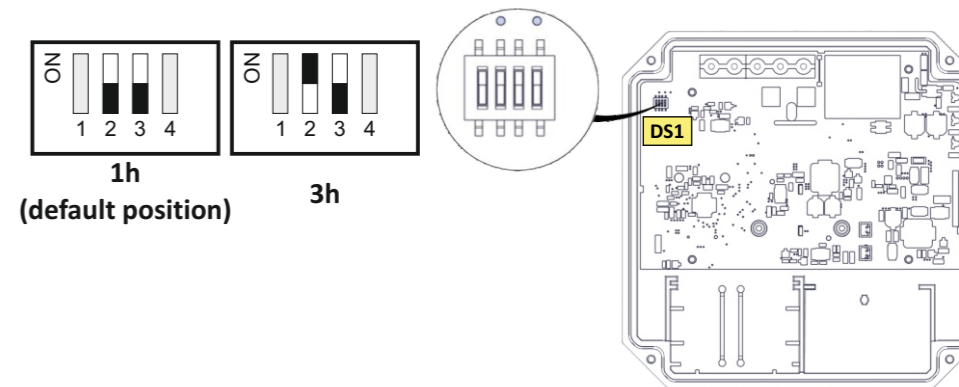
## Power Connections



Install the supplied rubber gasket to the plastic base. Make a hole in the center of the rubber gasket by using a small screwdriver. Pass the mains cable through the rubber gasket. Make sure that the rubber gasket and the cable is not deformed. This requirement is important to ensure the IP rating. Connect the mains cable to the terminal blocks: L for live wire, N for neutral. PE terminal is for termination purposes only. Power supply cables cross section should be 0.3 – 3 mm<sup>2</sup>. Install the supplied plastic tie-wrap to fasten securely the power cable, in order to anchor it.

**Warning!!** Isolate the mains power supply before making the connections

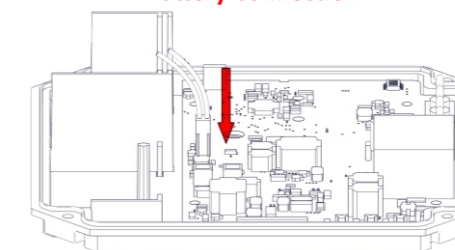
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The user can select one of the 2 available minimum autonomy durations: 1 hour and 3 hours. The selection must be done while the luminaire is disconnected from AC and battery supplies. The selection is achieved through Switches 2 & 3 of DS1. Switch 1 & 4 are not used. One additional label is included in the package for 3 hours duration (180). In case the installer changes the duration, the default 1 hour (60) printing must be replaced with the label. Please take notice of the orientation of the label.

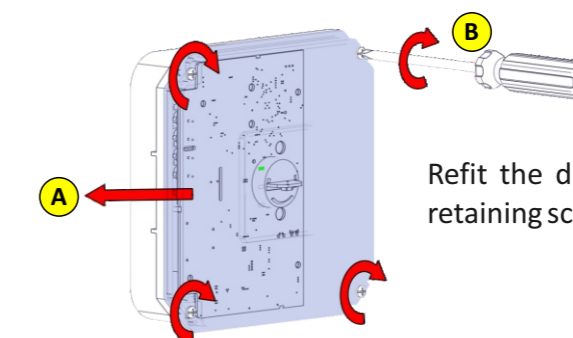
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### Battery Connection



Connect the battery cable to its respective connector on the PCB.

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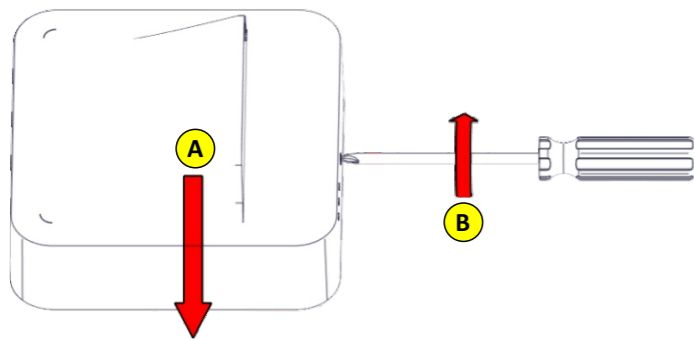


Refit the diffuser and then fasten the four retaining screws.

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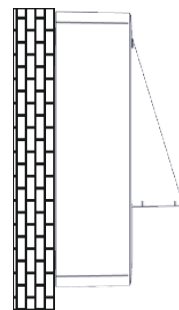


Refit the cover and then fasten the removed screw (Step 1).

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**NOTE!!**  
After finishing the installation you must power the luminaire for at least 24 hours in order to completely charge the battery. The rated autonomy duration can be achieved after that time.

### Mounting Methods



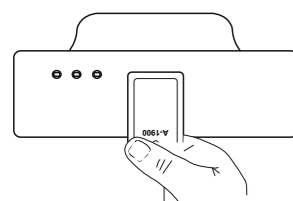
### Wall Mounting

### Battery Replacement

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

1. Unfasten the front screw and remove the cover. (Step 1 of installation instructions)
2. Unfasten the four retaining screws and remove the diffuser. (Step 2 of installation instructions)
3. Disconnect the battery and install a new one of the same type and characteristics. (Step 6 of installation instructions)
4. Follow step 7 & 8 to assembly the luminaire.

### Magnetic Switch Usage



**Test operations with the A-1900 card (not included and available after request).**

For Manual Operational Test, you must place the card in front of the TEST indicator and remove it immediately.

For Manual Autonomy Test, you must place the card in front of TEST and hold it for 5 to 10 seconds.

For Ressetting Errors, you must place the card in front of TEST and hold it for 10 to 15 seconds.

### Important notice for the installed luminaires in one area !!!

The installer must connect the battery's connector first and then should power the luminaire.

The time between batteries connection must be, at least 1.5 minute.

With this variation, it is ensured that the non synchronized Automatic Autonomy Test for two or more luminaires installed in one area, is not conducted in the same day.

**Note:** In case of mains power disconnection for a period of more than two months, the battery must be disconnected.

**Note:** In case of battery replacement, this must be replaced with parts of the same type and characteristics. The replacement must be performed by the manufacturer or a competent person.

**Note:** If the supply cable of the luminaire is damaged, it shall exclusively be replaced by a competent person in order to avoid hazard.

### ATTENTION

The light source of this luminaire is not user replaceable. When the light source reaches its end of life the whole luminaire shall be replaced.

**NOTE: LED= Light Emitting Diode**

**LABELING EXPLANATION:**

X: Self contained

0: Non Maintained Operation (\*)

A: Including test device, E: With non-replacable lamp(s)

F: Automatic test gear complying with IEC 61347-2-7 denoted EL-T

60: 60 minutes duration, 180: 180 minutes duration

(\*) Non Maintained operation: The luminaire lights its illumination source, only in mains power supply's failure.

X|0|A|E|F|60

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### Technical Characteristics

GR-433	
OPERATION VOLTAGE	220-240V AC / 50-60Hz
MAXIMUM POWER CONSUMPTION	2W / 2.5VA
MAX. SUPPLY CURRENT	11mA
MINIMUM POWER FACTOR (λ)	0.8
U-OUT	4.6V
Prated/Irated	1h: 1.66W/585mA      3h: 1W/350mA
INSULATION BETWEEN SUPPLY & CONTROL TERMINALS	Basic Insulation
INSULATION BETWEEN SUPPLY & BATTERY CIRCUIT	Basic Insulation
WORKING VOLTAGE AT WHICH THE INSULATION IS DESIGNED	500V
BATTERY (Ni-MH, 4HRMU15/51)	4.8V / 1.2Ah
CHARGE TIME	16 hours
BATTERY PROTECTION	Deep discharge and overcharge protection the control gear will recharge the battery normally after the test of 22.3
BATTERY VOLTAGE RANGE	4V - 5.8V
BATTERY CHARGE CURRENT RANGE	110 - 115mA
BATTERY DISCHARGE CURRENT RANGE	225 - 500mA
MINIMUM DURATION	1, 3 hours manually selected (default 1h)
LIGHT SOURCE	1 Power LED
LIGHT SOURCE LUMINOUS FLUX (EMERGENCY)	1h : 280lm      3h : 180lm
INDICATIONS - CONTROLS	Green/Red indication LED - Magnetic Switch
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
CONTROL GEAR MAX. TEMPERATURE:tc	42°C at U5
DEGREES OF COVER PROTECTION	IP65
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIAL	ABS/PC, PC
EXTERNAL DIMENSION (L x W x H)	160 x 160 x 70mm
WEIGHT	620gr.
GUARANTEE	3 years (1 year for the battery)
CONTROL GEAR WITH AUTOMATIC TEST FUNCTION	<b>EL-T</b>

Controlgear classification in accordance with IEC 62034: with automatic test function

The controlgear has mains-connected windings of transformer

The controlgear is proof against supply voltage polarity reversal

### LED Characteristics

MANUFACTURER	Olympia Electronics S.A.
MODEL NUMBER	0202205
VOLTAGE RANGE	2.85 - 3.1V
NOMINAL POWER	1.7W
CONNECTIONS	Fixed connection between main pcb and led module
TEMPERATURE (tc)	61°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 deflection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.



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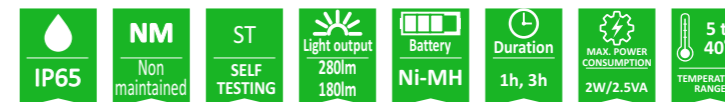
[www.olympia-electronics.com](http://www.olympia-electronics.com)

[info@olympia-electronics.gr](mailto:info@olympia-electronics.gr)



## GR-433

## SELF TESTING NON-MAINTAINED EMERGENCY LUMINAIRE



Thank you for your trust in our products  
Olympia Electronics - European manufacturer

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