



olympia electronics OLY-1004/WP/110V/MAR Waterproof Self Testing Maintained or Non Maintained Emergency Luminaire User Manual

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for a safer world!



European
manufacturers



OLY-1004/WP/230V/MAR

**OLY-1004/WP/110V/MAR
WATERPROOF SELF TESTING
MAINTAINED/NON MAINTAINED
EMERGENCY LUMINAIRE**



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

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Package Contents

1	Luminaire
1	Set of Pictograms
1	Mounting accessories
1	Manual

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. The light source can be either on or off, depending on user's choice. 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

Remove the diffusor and then by pressing the test button briefly an operation test is initiated. 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 LAMP TEST LED will blink. The battery must have

adequate charge. This test lasts for 3 seconds.

Manual Autonomy Test

A duration test can be conducted by pushing the button steadily for 5 to 10 seconds. In order to be performed, the mains power supply should be connected and the battery should be fully charged. The luminaire enters emergency mode, the CHARGE LED is turned OFF and the BATTERY FAULT LED starts blinking. Its duration is the stated autonomy duration of the luminaire. If at the end of the test the autonomy is lower than the nominal, the BATTERY FAULT LED will lit and battery needs to be replaced. If the result of the test is good then the luminaire enters charging mode and the CHARGE LED starts blinking until the battery is fully charged.

Automatic Operational Test

This test includes all the operations that are provided in Manual Operational Test and is conducted automatically every 15 days and lasts 3 seconds.

Automatic Autonomy Test

The Automatic Autonomy Test is conducted every 6 months and measures the device's back up operation and emergency duration. This test includes all functions of the Manual Autonomy Test.

Lens Removal

When the luminaire is used without the pictograms or the SP-1100 and you require more light output then remove the lens that covers the LEDs.


ATTENTION!!!

1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm² or any other type, at least equal to it's mechanical and electrical properties).

























ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the IP rating).

3. The device must be connected to the mains power supply through a circuit breaker that is depends on the total line's power load.
4. In case of battery replacement, it must be replaced by the same type, by the manufacturer or a competent person.
5. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.







6.  Is not allowed to discard batteries into common trash bins, they must be discarded only in battery recycling points. Do not incinerate.

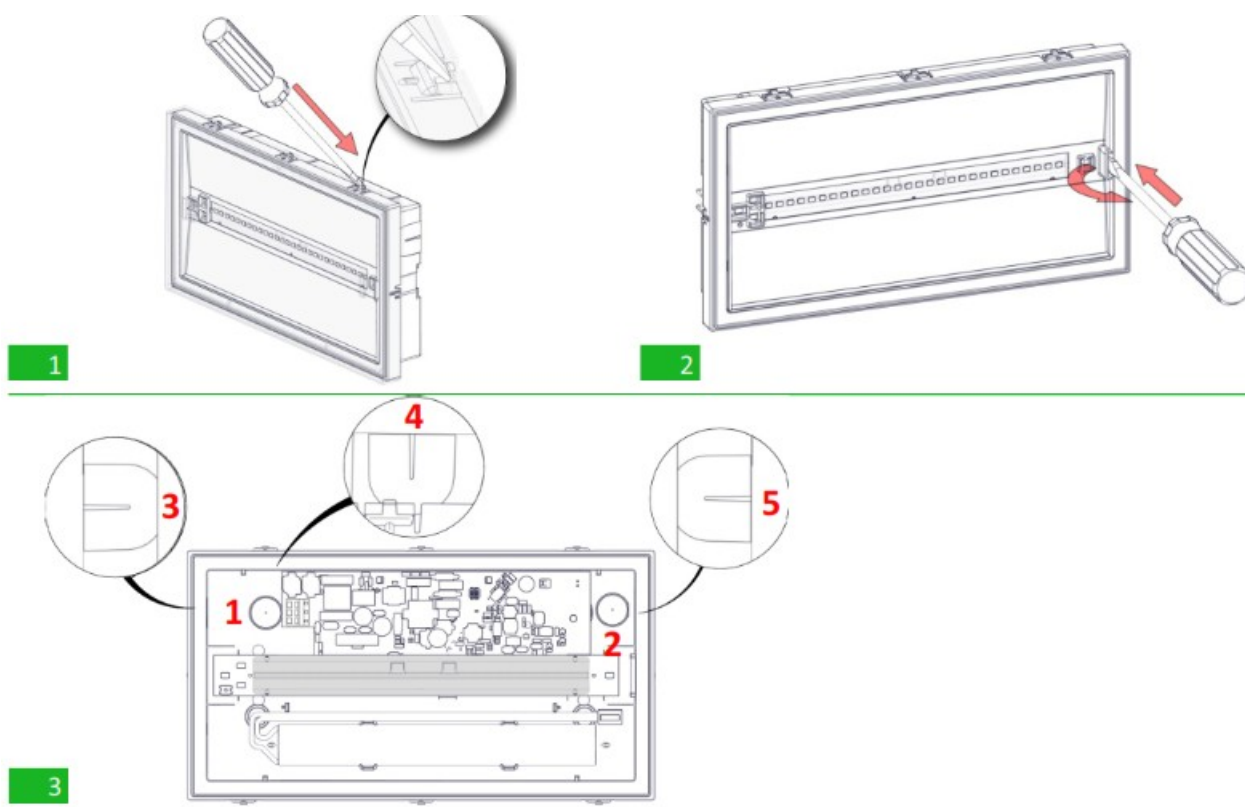
Indications LED Status

CHARGE (green) 	LAMP FAULT (red) 	BATT. FAULT (yellow) 	Description
      	      	      	Charging Fully charged Battery fault or emergency mode Operational test Light source fault Autonomy test Duration fault

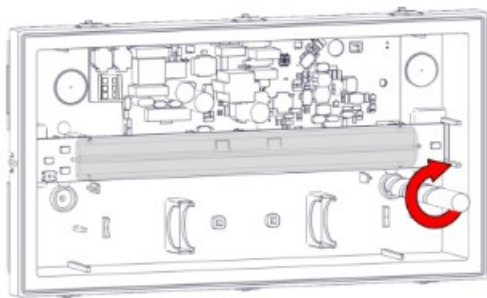
Note:

	Permanently ON
	Blink
	Off
	Indifferent

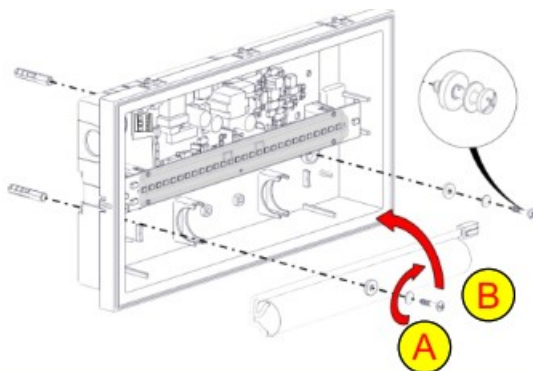
Installation Instructions



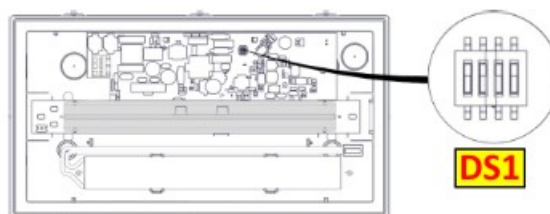
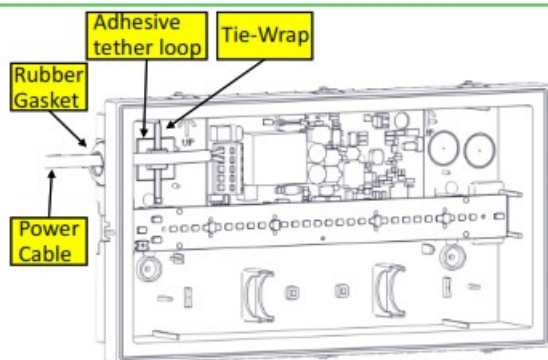
Drill one of the 5 available holes with a 16-18mm drill bit, to pass the power cables.



4



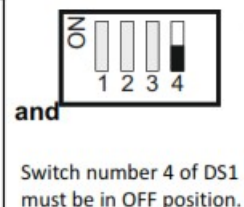
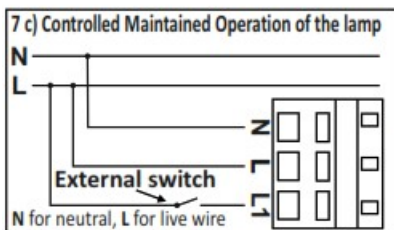
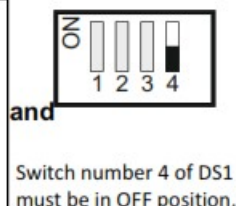
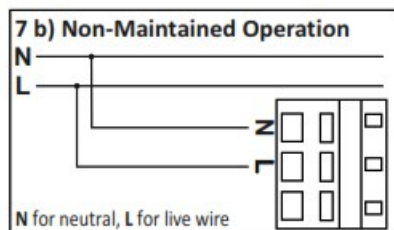
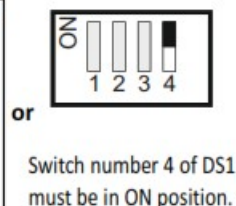
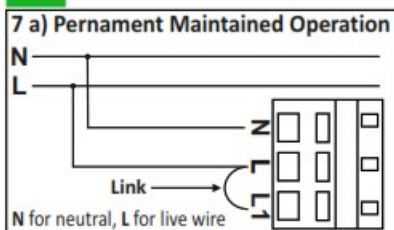
5



DS1

Install the included rubber gasket, pass through the power cable and make the connections. Install the included tiewrap to the included adhesive tether loop and fasten securely the power cable in order to anchor it.

6



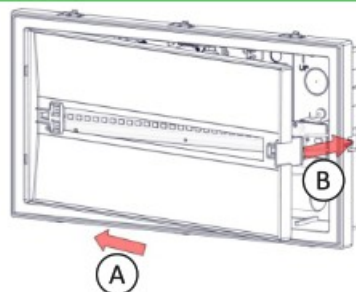
WARNING!! Isolate the mains power supply before making the connections.

7

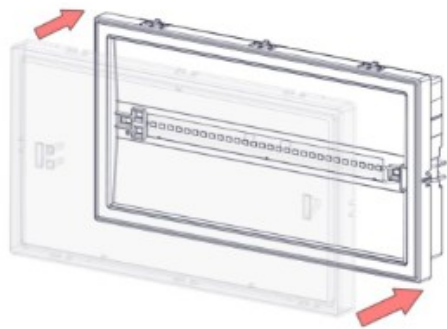
Battery Connection



8

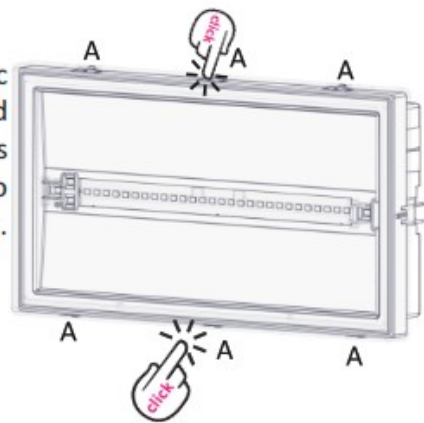


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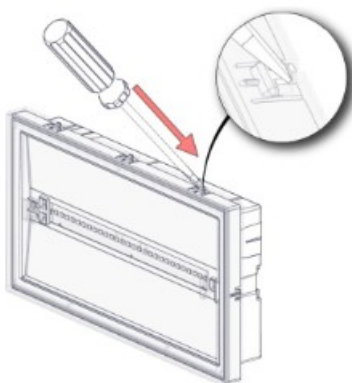
10

Attention!! The 6 plastic latches (A) must be secured (click sound). This requirement is important to ensure the IP65 rating. Power on the luminary.

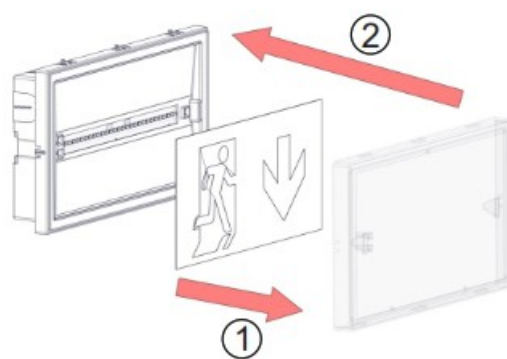


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Pictogram Installation



1

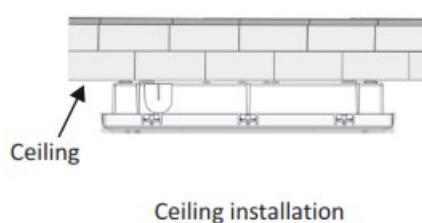
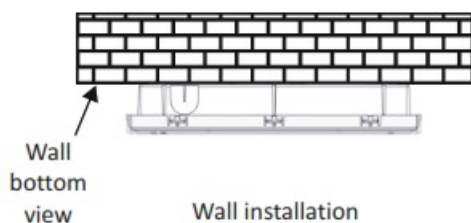


2

1. Fit the pictogram you need to the diffuser, be careful to secure it on the 3 plastic holders.
2. Refit the diffuser with the pictogram.

Mounting Methods

Oly luminaires can be surface mounted on walls or ceilings. For these mounted installations, special accessories are included.

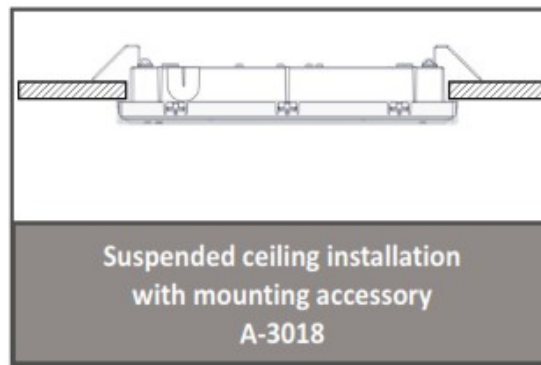


Extra Mounting Methods *

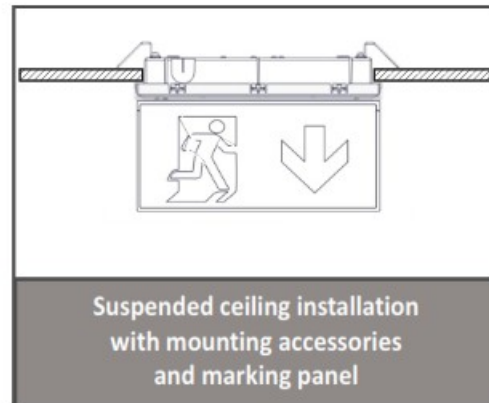
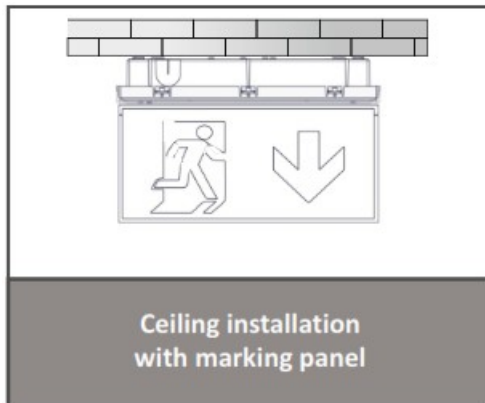
* **ATTENTION!!!** The below mounting methods can be done after request of the necessary mounting accessories!!

Suspended installation with A-3018 accessory

The luminaire can be installed in a suspended ceiling.



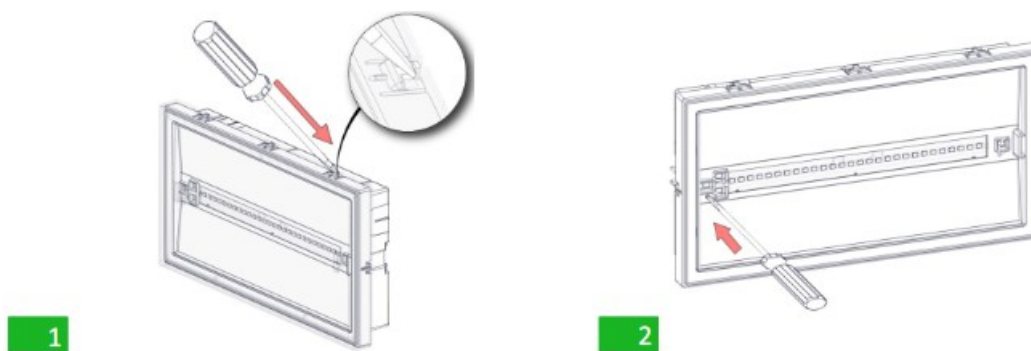
A marking panel (SP-1100) can be installed on the luminaire pointing the desired direction.



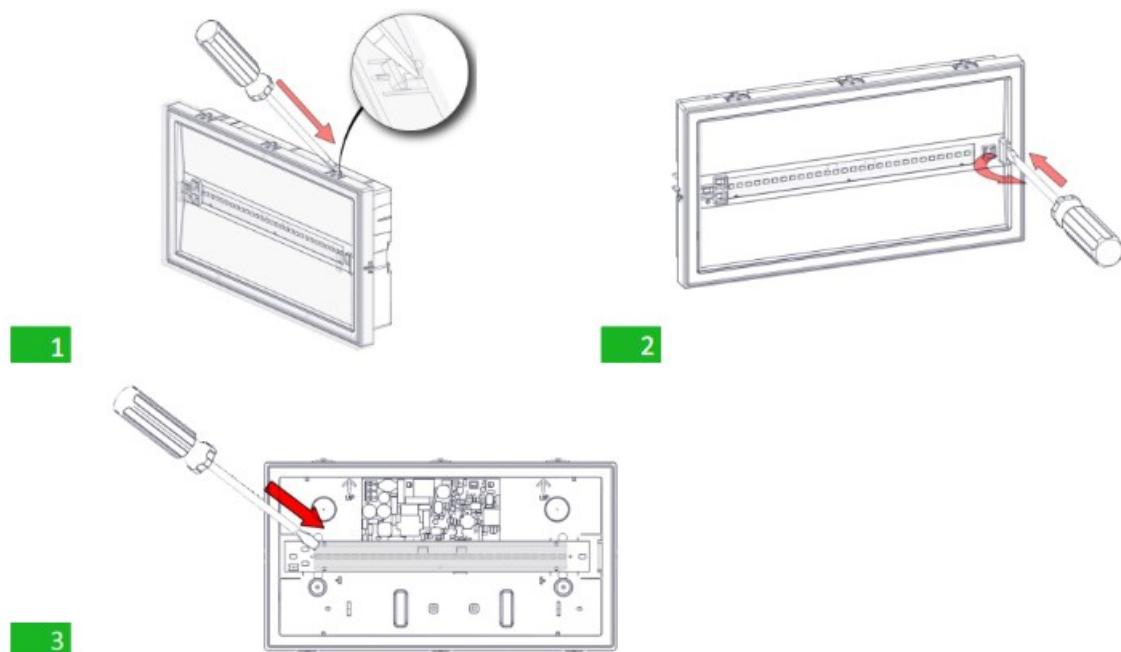
NOTE!!

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.

Manual Test



Lens Removal



Battery Replacement

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

1. Follow step 1 of the installation instructions and remove the diffuser.
2. Follow step 2 of the installation instructions and remove the reflector.
3. Remove the old battery and place a new one of the same type and characteristics.
4. Replace the removed parts (previous steps 1 and 2).

NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

X: Self contained

1: Maintained operation (*)

A: Including test device

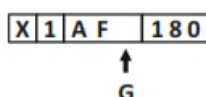
F: Automatic test gear complying with IEC 61347-2-7 denoted EL-T

G: Internally illuminated safety sign 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 mains power supply's failure.

NOTE!! The installer should fill in, on the specification label, the letter G if the luminaire is used as a safety sign.



ATTENTION!!!



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.



CAUTION : Do not view directly with bare eyes.

Technical Characteristics

	OLY-1004/WP/230V/MAR	OLY-1004/WP/110V/MAR
OPERATION VOLTAGE	220-240V AC / 50-60Hz	110-130V AC / 50-60Hz
MAXIMUM POWER CONSUMPTION	5.2W / 5.6VA	6.2W / 7VA
SUPPLY CURRENT	25mA	63.5mA
U-OUT	35V	
Prated	1.7W	
Irated	156mA	
MAX OPEN CIRCUIT VOLTAGE	35V	
WIRE CROSS SECTION	0.5mm ² – 2.5mm ²	
MINIMUM POWER FACTOR	0.83	0.89
BATTERY (Ni-Cd)	4.8V/ 3Ah	
INSULATION BETWEEN SUPPLY & CONTROL TERMINALS	Basic insulation	
INSULATION BETWEEN SUPPLY & BATTERY CIRCUIT	Basic insulation	
BATTERY PROTECTION	Deep discharge and overcharge protection / the control gear will recharge the battery normally after the test of 22.3	
MIN MAX. DISCHARGE VOLTAGE	4.1-5.9V	
MIN MAX. DISCHARGE CURRENT	300-500mA	
MIN MAX. CHARGE CURRENT	200mA	
TRICKLE CHARGE VOLTAGE/CURRENT	6V / 95mA	
MAX CHARGE VOLTAGE	6V	
INDICATIONS	LED Charge, Lamp Fault LED, Battery Fault LED	
CHARGE TIME	23 hours	
MINIMUM DURATION	3h	
LIGHT SOURCE	28 white LEDs	
LIGHT SOURCE LUMINOUS FLUX (MAINS / EMERGENCY)	320lm / 230lm	
DEGREES OF COVER PROTECTION	IP65	
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3	

VIEWING DISTANCE (as safety sign)	25m
CONTROL GEAR MAX. TEMPERATURE:tc	53 C at D11
OPERATION TEMPERATURE RANGE	5 to 40 C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIAL	ABS/PC, PC
EXTERNAL DIMENSION (L x W x H)	270 x 147 x 48 mm
WEIGHT	820gr.
GUARANTEE	3 years (Battery designed to provide duration for at least four years)

Control gear classification in accordance with IEC 62034: with automatic test function

CONTROL GEAR WITH AUTOMATIC
TEST FUNCTION

EL-T

LED Characteristics

	OLY-1004/WP/230V/MAR	OLY-1004/WP/230V/MAR
MANUFACTURER	Olympia Electronics S.A.	
MODEL NUMBER	2701205	
VOLTAGE RANGE	8.4-12.4V DC	
NOMINAL POWER	0.70W	
CONNECTIONS	Non reversible connection between main pcb and led module	
TEMPERATURE (tc)	45 °C max. across the board	

Warranty

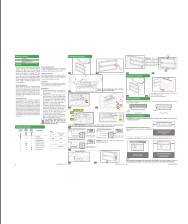
Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical 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.



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Documents / Resources

	<p>olympia electronics OLY-1004/WP/110V/MAR Waterproof Self Testing Maintained or Non Maintained Emergency Luminaire [pdf] User Manual OLY-1004 WP 230V MAR, OLY-1004 WP 110V MAR, Waterproof Self Testing Maintained or Non Maintained Emergency Luminaire, OLY-1004 WP 110V MAR Waterproof Self Testing Maintained or Non Maintained Emergency Luminaire, Non Maintained Emergency Luminaire, Emergency Luminaire, Luminaire</p>
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References

-  [Olympia Electronics | Safety & Security Systems |](#)