

GR-6/UN COMMON TO EMERGENCY LUMINAIRE CONVERTERS



TECHNICAL SPECIFICATIONS

Main voltage	220-240V AC / 50-60 Hz		
Consumption	4VA		
Operation frequency	30-35KHz		
Batterie (4.8V Ni-Cd)	cooperate with GR-61,GR-62,GR-64		
Recharging consumption	260mA		
Recharging time	24h		
Emergency duration	Depends on battery set used		
Output	Charge indication LED , TEST button (optional)		
Battery protection	overcharging and discharging protection		
Fluorescent tubes	18-58W		
Nominal flux	18W=1000lm	36W=2400lm	58W=4000lm
Emergency efficiency	Depends on the lamp type used (10-14% typical)		
Degrees of cover protection	IP 20		
Produced in accordance with	EN 61347-1, EN 61347-2-7		
Operation temperature range	0 to 40 °C		
Relative humidity	up to 95% relative humidity		
External dimensions (LxWxH)	131x40x31mm		
Typical weight	185gr.		
Guarantee	2 years		

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GENERAL

These models are designed to convert common 230V AC luminaires to emergency luminaires with a lamp range of 18-58 Watts. They are suitable for both conventional and electronic ballast installations. They have a built in charger that keeps the batteries charged when the mains supply is on. In the event of a power failure the device automatically switches to emergency power and lights the lamp in emergency mode. The emergency duration depends on the type of battery pack used and the lamp type (see the table below for a duration reference using most commonly used lamps). When the mains power is ON we can TEST the luminaire by pressing the test button for a few seconds. When the TEST button is depressed then the emergency circuit of the device takes control of the lamp and the lamp lights in emergency mode. The LED is ON in case of a normal power supply and the battery is charging.

INSTALLATION

Installation is very simple and is done according to the schematics below. Depending on the type of ballast available, see the according connection schematic.

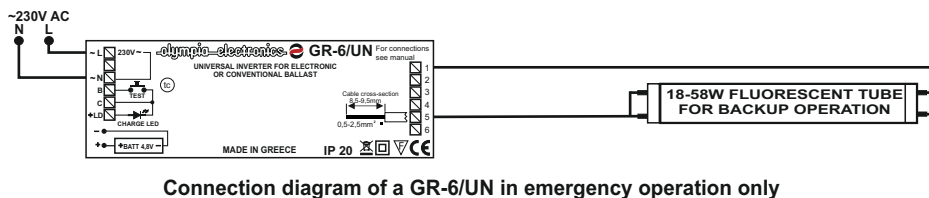
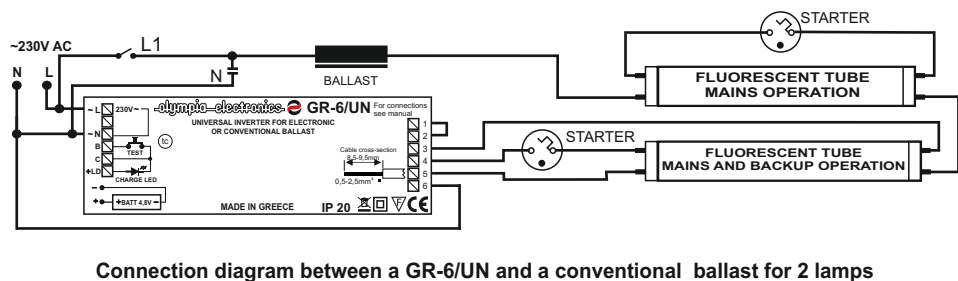
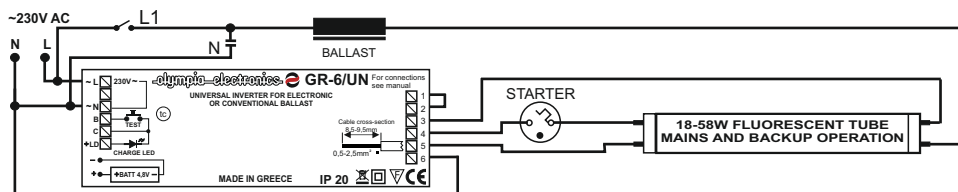
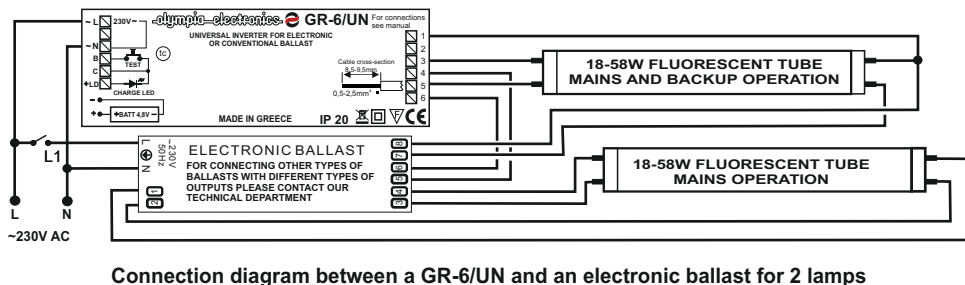
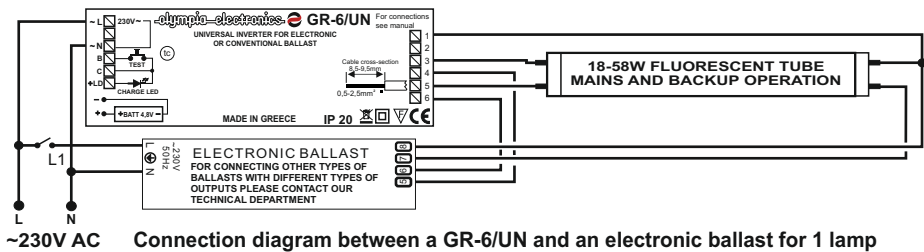
Power the device after connecting the lamps.

The contact marked L1 on the schematic goes to the mains Live via a switch or without a switch.

The wire used should be solid copper wire with a cross-section of 0.5mm² - 2,5mm². The end that enters the terminal block should be striped 8,5mm - 9,5mm. This device has been tested with OSRAM, PHILLIPS, SYLVANIA type fluorescent tubes.

The above data is correct for certain lamp types which have been tested in an environment of 27°C after a full 24hour charge period.

LAMP TYPE	DURATION		
	GR-61(4.8V/1.5Ah)	GR-62(4.8V/3Ah)	GR-64(4.8V/4Ah)
18W (T8 LAMP)	80 min	160 min	220 min
36W (T8 LAMP)	60 min	120 min	160 min
58W (T8 LAMP)	50 min	100 min	140 min
14W (T5 LAMP)	75 min	150 min	200 min
30W (T5 LAMP)	40 min	90 min	110 min
18W (COMPACT)	80 min	160 min	220 min
38W (2D/4PIN)	60 min	130 min	170 min
36W (COMPACT)	70 min	130 min	180 min



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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