



GR-4/UN

COMMON TO EMERGENCY LUMINARY CONVERTERS

TECHNICAL SPECIFICATIONS

GR-4/UN

Main voltage	220-240V AC / 50-60 Hz		
Consumption	4VA		
Operation frequency	30-40KHz		
Batteries (3,6V Ni-Cd)	It co-operates with GR-65,GR-66,GR-67		
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 60598-1, EN 60598-2-22, EN 50082-1, EN 61000-3-2, EN 61000-3-3		
Operation temperature range	0 to 60 °C		
Humidity	up to 95% relative humidity		
Dimensions	131x40x31mm		
Weight	290gr.		
Guarantee	2 years		

DESCRIPTION

Operation Instructions

These models are designed to convert common 230VAC luminaries to emergency luminaries with a lamp range of 18,36,58 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 luminary 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.

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

LAMP TYPE	DURATION		
	GR-65(3,6V/1,5Ah)	GR-66(3,6V/3Ah)	GR-67(3,6V/4Ah)
18W (T8 LAMP)	90 min	180 min	240 min
36W (T8 LAMP)	70 min	140 min	180 min
58W (T8 LAMP)	60 min	120 min	160 min
14W (T5 LAMP)	75 min	150 min	200 min
35W (T5 LAMP)	60 min	120 min	150 min
18W (COMPACT)	90 min	180 min	240 min
38W (2D/4PIN)	70 min	140 min	180 min
36W (COMPACT)	70 min	140 min	180 min

