

USER GUIDE

KITEMLED20

EMERGENCY KIT FOR LED LAMPS 230VAC/DC



General Characteristics

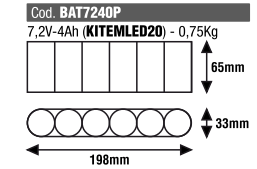
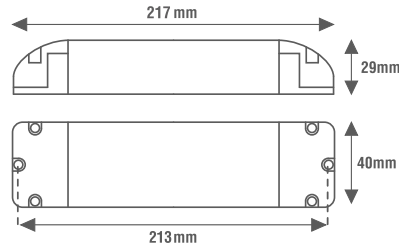
Plastic case
Electric class protection II
Protection degree IP20
Multi-function LED charging indicator
Test push-button

Reference Standards

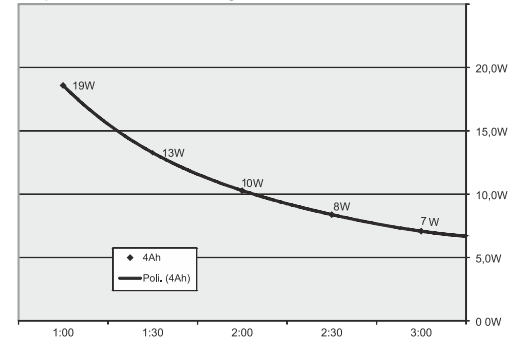
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-7
EN 61547

Technical Features

Input voltage range 220-240Vac
Input frequency 50+60Hz
Maintained or non maintained operation
Constant voltage output 200+310Vdc
Compatible with LED lamps E14/E27/GU10 (max 20W)
Compatible with LED power supplies (max 20W)
Compatible with LED tubes (max 20W)
Compatible with 230Vac strip LED (max 20W)
Automatic operation
Input for remote inhibition
«High temperature» Nichel-Cadmium (NiCd) battery
7,2V-4Ah battery (included in the kit)
Battery charging current: 200mA
Autonomy: 1h
Protection device against extensive discharge
Recharging time 24h
Operating ambient temperature Ta -10°C + +50°C
Maximum temperature at the Tc point 70°C



Output Power vs. Discharge Time



CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Lampade LED 230Vac Lamps (W)	Tubi LED 230Vac Tubes (W)	Strip LED 230Vac Strip (W)	Tensione di uscita in emergenza Voltage output in Emergency (Vdc)	Batteria Battery	Autonomia Autonomy		Corrente Batteria Battery current (A)	EBLF (%)	Peso Weight (g)
								@10W	@20W			
KITEMLED20	220-240	50÷60	7-20	7-20	7-20	310÷200	Cod. BAT7240P 7,2V-4Ah	2	1	2,5	100	950

WARNINGS - Installation Guide

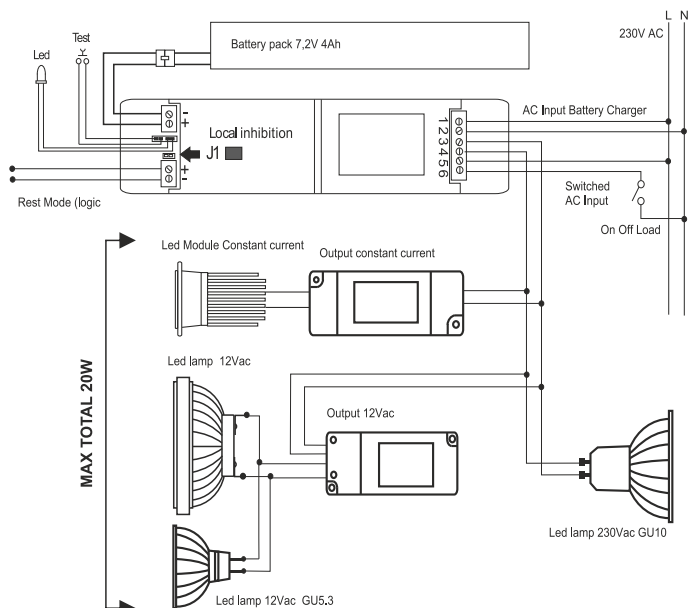
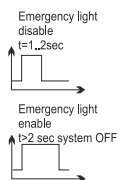
Make the system connections and ensure that the "local inhibition" jumper J1 is engaged before connecting the battery to the power supply.
Connect the battery to the power supply respecting the polarity.
Place the battery away from heat sources and the power supply. The battery is operational after 30 hours of charging, after 4 years or 500 cycles of life replace and dispose of in the appropriate containers.
Supply power to the system and remove "local inhibition" jumper J1 to activate the unit. Periodically (every three months) perform a battery discharge and recharge cycle for maximum system efficiency and life. Test the system using the test button. Before any maintenance operation, insert the "local inhibition" jumper and disconnect all power supplies, including the battery.

CONNECTIONS

1-2 mains input for battery charging, intervention threshold according to EN60598-2-22. Voltage must be always present.
3-4 Led load: maximum 20W for tubes and bulbs 230V, maximum 20W load for systems with ballast
5-6 Load power supply in normal operation, use this line to insert a switch to turn the load on and off during normal operation

Rest Mode: Allows both the switching on and off of lamps during emergency operation. When mains power returns, the system will prepare for emergency operation.

LED STATUS	
ON ● Ready OK	Fast ⚡ Low battery/ Fault
Slow ⚡ Charge	2X ⚡ Emergency status



PRODUCT TO BE DISPOSED
DIFFERENTLY FROM URBAN WASTE
AEE identification nr.18040000010321



LEF LIGHTING S.R.L. | www.lef Lighting.it

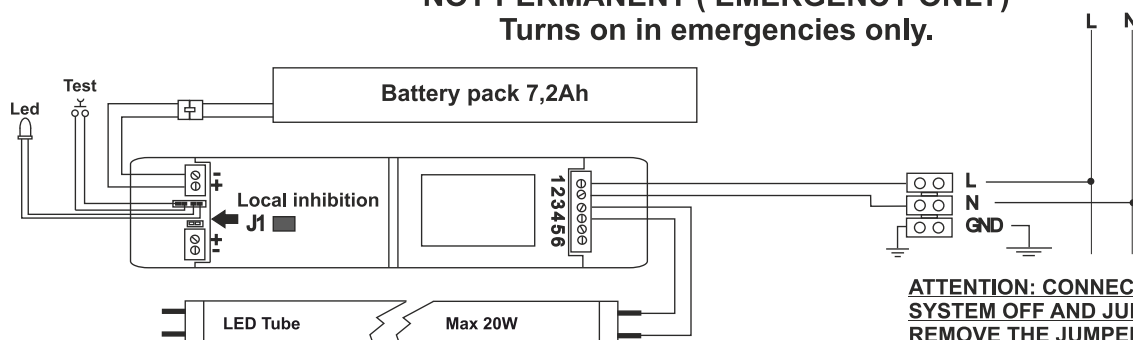
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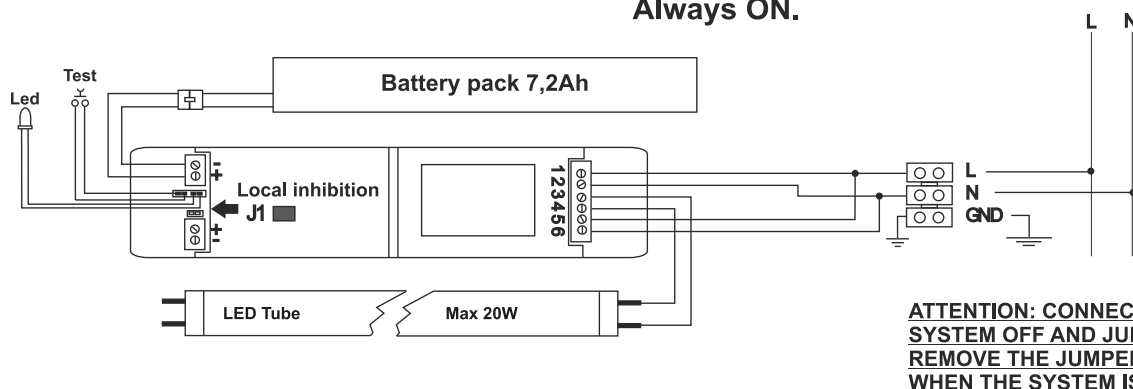
WIRING DIAGRAMS



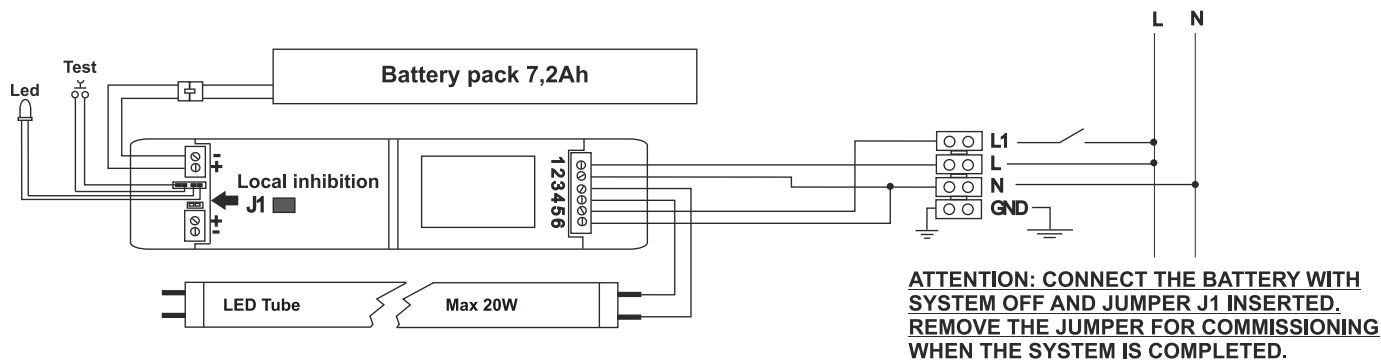
NOT PERMANENT (EMERGENCY ONLY) Turns on in emergencies only.



PERMANENT (ORDINARY LIGHTING) Always ON.



WITH SWITCH (ORDINARY LIGHTING) The tube is controlled by the switch on L1. In emergency it always turns on.



WITH SWITCH - TWO LED TUBES (ORDINARY LIGHTING) The tubes are controlled by the switch on L1. In emergency only 1 tube is ON.

