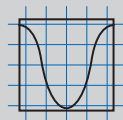


PLX

EMERGENCY KIT FOR 2 PIN COMPACT
FLUORESCENT LAMPSCOSINE DEVELOPMENTS
LEADERS IN LIGHTING TECHNOLOGY

OVERVIEW:

- > Maintained or non-maintained operation
- > Emergency lighting kit for 2 pin CFL's from 5W - 2D16W
- > 40-100% emergency lighting for 1 or 3 hours
- > 5 year warranty on inverter

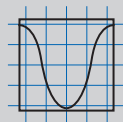
PRODUCT DESCRIPTION:

This maintained inverter can be used for two pin compact fluorescent lamps from 5 to 16W. It is possible to use this unit where two 9W lamps are powered from one ballast. One hour or three hours of emergency lighting is provided. 6V ni-cad or 7.4V li-ion batteries can be used with the 5, 9, 11, 13 and 2D16W lamps. No changes to the inverter are necessary for any of the above combinations. The inverter's small external dimensions make it suitable for small luminaires.

A safety start circuit is provided that prevents emergency operation until mains is connected. This enables installation without disconnecting or unnecessarily depleting the batteries. A red light is provided to indicate that the batteries are being charged and that they are in a healthy condition. Deep discharge protection is provided. The unit is available in both covered and open circuit board configurations. A remote box option is available if high temperatures or small dimensions within the proposed luminaire will result in poor reliability or an illegal installation (i.e., in contravention of SABS Specifications) but wiring between inverter and lamp must be less than three metres.

SPECIFICATIONS	
Battery Type	7.2V Ni-Cad 7.4V Li-ion
Charging Current	(200mA) 100mA
Cold Lamp Starting (all amps)	>5V
Current Consumption	1 - 1.4 A
Dimensions (L x W x H)	154 x 53 x 30mm
Lamp Types	5, 9, 11, 13 and 2D 16W (2 pin CFL's)
Lighting Duration	(3 hours) 1 hour
Mains Voltage	100 - 253Vac 50/60 Hz
Maximum Operating Temperature	+70°C
Power Conversion Efficiency	>5V
Queiscent Current	<20µA
Weight	150g

PLX (CONTINUED)

EMERGENCY KIT FOR 2 PIN COMPACT
FLUORESCENT LAMPS
COSINE DEVELOPMENTS
 LEADERS IN LIGHTING TECHNOLOGY
**OVERVIEW:**

- > Maintained or non-maintained operation
- > Emergency lighting kit for 2 pin CFL's from 5W - 2D16W
- > 40-100% emergency lighting for 1 or 3 hours
- > 5 year warranty on inverter

PRODUCT DESCRIPTION:**Note 1:**

Luminaire/emergency gear compatibility must be ascertained before use. Lamp starting must be tested in non-maintained mode (i.e., lamp off whilst charging) using a fresh battery pack. All metal surfaces in the luminaire must be connected to the "EARTH" terminal to assist starting. For best operation only bulkhead type fittings, where the lamp is parallel to a metal surface, should be used for both maintained and non-maintained modes. No restrictions apply to sustained operation (i.e., where the lamp is permanently on).

Note 2:

The emergency lighting duration may vary due to cell temperature and lamp type as well as cell manufacturer.

Note 3:

Any version can be ordered with a standby switch option. This feature enables the emergency light function to be inhibited during a power failure thereby conserving battery energy. The standby switch cable must be no longer than two metres.

Often it is not possible to cram the emergency gear into the light fitting. It is also not desirable to expose the electronics and batteries to the high temperatures inside small luminaires. In these cases the remote box (above) should be used. The remote box houses the electronics and batteries and is positioned near to the luminaire. Two 20mm cable entry holes are provided.

PERFORMANCE:

LAMP TYPE	LIGHT OUTPUT	BATTERY CURRENT	APPROX. DURATION
2D16W	40%	1.1A	1.8 hours
13W	60%	1.1A	1.8 hours
11W	70%	1.1A	1.8 hours
9W	80%	1.0A	1.8 hours