Installation & Wiring Instructions
CPH -
Hold off Driver for Central Battery

PLEASE READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

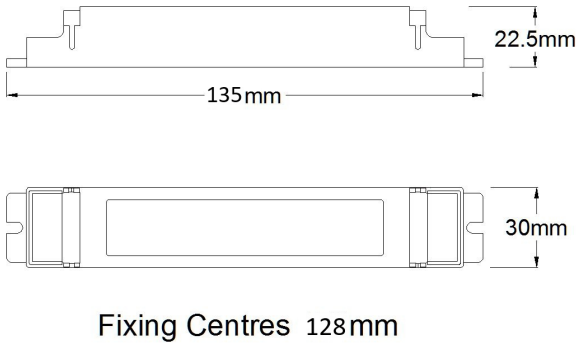
Description:

The CPH unit is designed as a central battery driver (240V, 110V or 50V AC/DC) to run a dedicated LED in emergency, with the output held off whenever the 240V AC unswitched supply is present.

At the point the unswitched supply is broken, the driver will accept the feed from the central battery and power one LED at either 350mA, 550mA or 700mA. The current is pre-selected via a jumper.

50V AC or DC	1 LED at 350mA or 700mA (2.5V-3.5V)
110V AC or DC	1 LED at 350mA or 700mA (2.5V-3.5V)
240V AC or DC	1 LED at 350mA or 700mA (2.5V-3.5V)

This unit is for intermittent use. If being used as a centrally supplied unit, this must be considered. The unit is not for permanent use.



Specification:

Mains Supply Voltage	230-240 Volts AC 50/60 Hz
Input Current	6mA
Power Factor	1W λ = 0.65
Emergency Voltage	50V, 110V or 240V AC or DC
Emergency Current/Power	See Chart on Page 2
Ambient Temp.	0°C to + 35°C
Max Case Temperature	70°C
Terminal Blocks	0.5-1.5mm² Push Fit
Ingress Protection	IP20
Hold off Device	Solid State
Module Size (L x W x H)	135mm x 30mm x 22.5mm
Module Fixing Centers	128mm
Module Weight	0.15Kg

Warning

Avoid running the CPH without the load connected. Failure to do so may result in damage to the LED array.

Important

It is recommended that the module is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

ISOLATE BOTH UNSWITCHED AND EMERGENCY SUPPLIES BEFORE INSTALLATION OR MAINTENANCE

Installation

When converting a luminaire observe the following points:-

1. Fit the module into the existing luminaire ensuring that it will operate within its temperature ratings.
2. If the module does not fit integrally, then a remote conversion can be used. Ensure that the interconnecting loom is kept as short as possible.
3. Wire the module into the luminaire circuit as per wiring diagram on Pg2.
4. Ensure that the Permanent Live & emergency supply feeds are connected correctly.
6. Requirements for 'F' markings must be observed.
7. Check that the power consumption of the load meets the capacity of the central battery. See chart overleaf for consumption figures.
8. Ensure that AC cables are placed away from the low voltage cables to achieve optimum EMC results.
8. If fitted within a metal enclosure, connect earth terminal to metal gear tray for improved EMC.
9. This module is not intended for use in luminaires for high-risk task area lighting.

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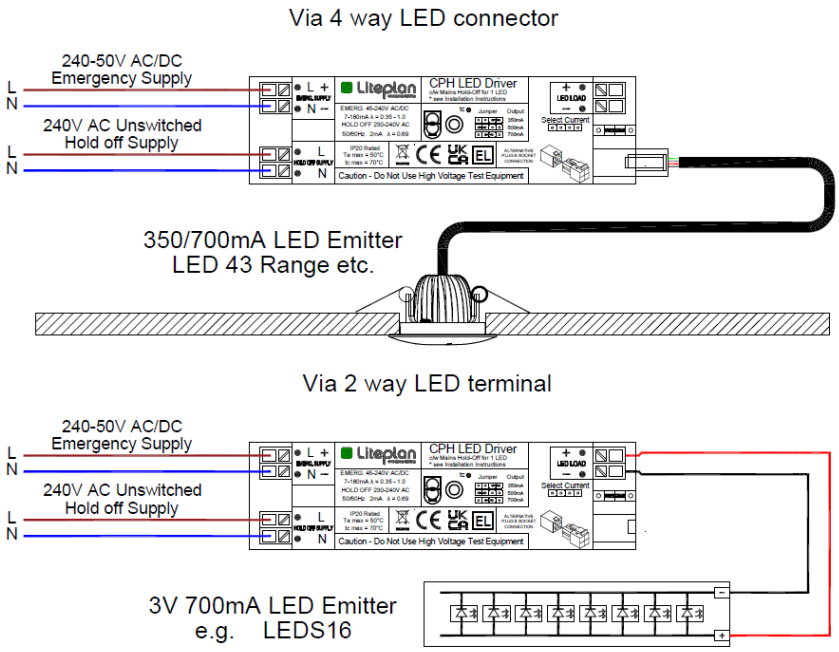
Typical
Conversion
Wiring Diagram



Power Consumption Figures:

Supply Voltage	Output Current (mA)	Output Load	Supply Current (mA rms)	Supply Power (W)	Supply Power Factor	Supply VA
240V AC	700	1 x LED	36	3.60	0.41	8.8
240V DC			14	3.36	-	-
110V AC			54	3.50	0.58	6.1
110V DC			30	3.30	-	-
50V AC			135	4.40	0.65	6.9
50V DC			78	3.90	-	-
240V AC	350	1 x LED	21	1.80	0.35	5.0
240V DC			7	1.68	-	-
110V AC			24	1.60	0.89	2.7
110V DC			15	1.65	-	-
50V AC			56	1.82	0.63	2.9
50V DC			36	1.80	-	-