

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

### Description:

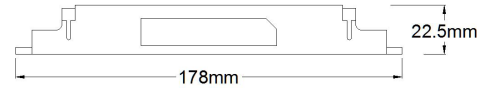
The CBP is an emergency lighting change over relay with an additional dimming inhibition relay that will restore a fitting that was running in a mains dimmed state, to full brightness for emergency operation.

Compatible with fluorescent and LED loads and runs in conjunction with either 240V 50/60Hz AC static inverter or 50V, 110V or 240V DC central battery systems.

The associated control gear must be suitable for running from the emergency voltage.

### Specification:

Mains Supply Voltage	230-240 Volts AC 50/60 Hz
Input Current	19mA
Power Factor	$\lambda = 0.58$
Emergency Voltage	50V, 110V or 240V AC/DC
Ambient Temp.	0°C to + 35°C
Max Case Temperature	70°C
Terminal Blocks	0.5-1.5mm <sup>2</sup> Push Fit
Ingress Protection	IP20
Changeover Relay Rating	3A 240V
Module Size (L x W x H)	178mm x 30mm x 22.5mm
Module Fixing Centers	172mm
Module Weight	0.11Kg



Fixing Centres 172mm

### Warning

**Avoid running the LED mains driver and changeover pack 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.

The conversion requires an unswitched supply for energisation of the relay and a switched supply if the unit is being used for maintained operation.

**ISOLATE BOTH MAINS SUPPLIES AND ISOLATE FROM THE EMERGENCY SUPPLY BEFORE INSTALLATION OR MAINTENANCE.**

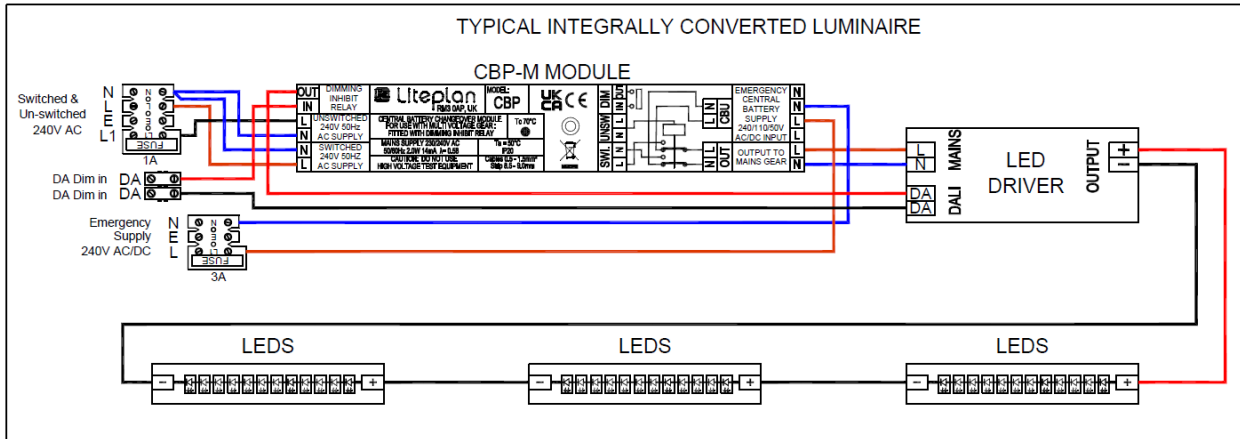
### Installation

When converting a luminaire observe the following points:-

1. Fit the module into the existing luminaire ensuring that it will operate within its temperature parameters.
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 & Switched Live feeds are connected correctly.
6. Requirements for 'F' markings must be observed.
7. Identify clearly the NEW Un-switched supply.
8. Avoid running the 240V cables near the DALI pair to ensure optimum EMC results.
9. This module is not intended for use in luminaires for high-risk task area lighting.

**NB:** The associated control gear must be suitable for running from the emergency voltage.

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Normal operation : LED driver powered from switched lighting supply while unswitched supply healthy

LEDs dimmed and controlled by DALI supply

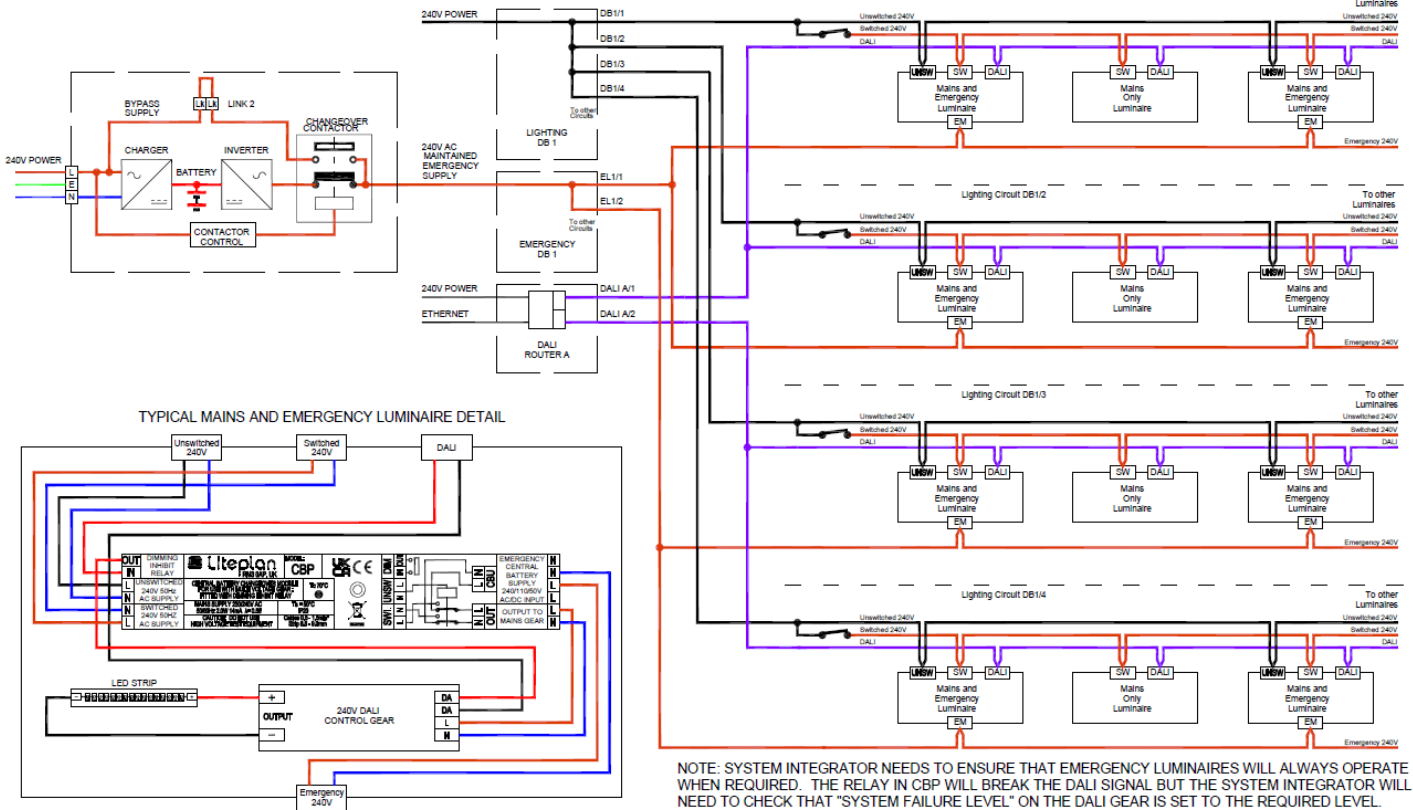
Emergency operation : LED driver powered from emergency supply when un-switched supply fails

DALI dimming/control is broken by inhibit relay

Note: Switched and un-switched supplies can be commoned if e.g. DALI control

LED driver must be rated for the emergency supply voltage

### STATIC INVERTER SYSTEM WITH 240V MAINTAINED DALI LUMINAIRES



NOTE: SYSTEM INTEGRATOR NEEDS TO ENSURE THAT EMERGENCY LUMINAIRES WILL ALWAYS OPERATE WHEN REQUIRED. THE RELAY IN CBP WILL BREAK THE DALI SIGNAL BUT THE SYSTEM INTEGRATOR WILL NEED TO CHECK THAT "SYSTEM FAILURE LEVEL" ON THE DALI GEAR IS SET TO THE REQUIRED LEVEL.