Central Battery LED Emergency Control Gear

LDCB110

Conversion of all modern LED luminaires for connection to central battery emergency supplies

The **LDCB110** emergency LED module allows maintained operation of high power LED modules or arrays, when utilising the standard mains voltage LED control gear in-line with the Central Battery powered emergency LED control module.

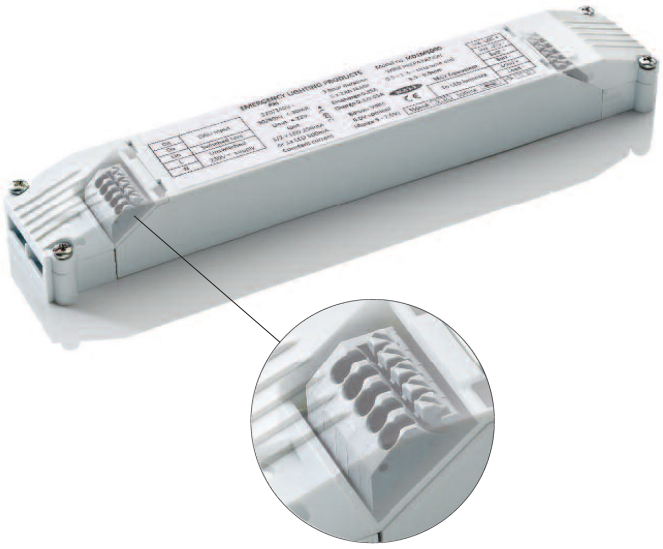
The **LDCB110** Central Battery module allows for maintained, hold-off or slave operation of high power LED modules or arrays.

The emergency gear is designed to operate from an 110V AC/DC Central Battery supply. For maintained operation, an integral relay disconnects the LED lighting load from the mains control gear and then connects it to the emergency control gear, which operates the LED module/array at a reduced light output from the central battery supply.

The various high power LED modules utilise different arrays of LEDs connected in series or a combination of series and parallel, and the **LDCB110** range can be configured to suit any of these (output current selectable on the module).

It is important to note that for maintained operation some of the LED module/array mains drivers should not be operated with an open circuit load.

To overcome this problem when first powering up or when switching between emergency and mains operations the **LDCB110** module features a live in/live out relay which ensures the load is in place before the mains driver is powered up.



LDCB110 with terminal covers in place

Polycarbonate module dimensions:
178mm (L) x 32mm (W) x 22mm (H)

Fixing centres: 170mm

ALL **LDCB110** UNITS REQUIRE MAINS LED CONTROL GEAR FOR MAINTAINED OPERATION

Emergency Lighting Products Limited
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Safe in the knowledge
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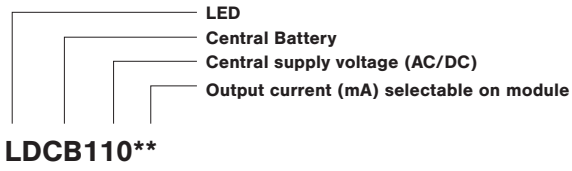
SPECIFICATION

Section	Subject	Plastic housed module
Environmental	Protection against electric shock	Basic Insulation
	Ingress protection	IP20
	Module rated operating ambient temperature	-20°C to 50°C
	Maximum case temperature	65°C
Mains operation	Rated voltage supply	220/240 VAC
	Mains frequency	50/60 Hz
	Mains supply current	10mA
	Mains supply power	2.4W
	Power factor	0.6
	Maximum power that can be switched via relay contacts	125VAC/90W
	Maximum current that can be switched via relay contacts	1A 125VAC/3A 30VDC
	Maximum voltage that can be switched via relay contacts	250VAC/220VDC
Emergency operation	Emergency duration	Dependent on Central Battery System
	Central Battery voltage supply range	110V±10% AC/DC
	Module selectable output current and voltage range **LDCB110** – 50mA **LDCB110** – 100mA **LDCB110** – 200mA	 15V to <100V 15V to <50V 15V to <25V
	BLF/EBLF – Dependent on LED module type	0.12 to 0.25
Mechanical	Outside dimensions	(L)178mm x (W)30mm x (H)21mm
	Fixing centres	170mm
	Electrical connections	Push wire terminals
Standards compliance	EN61347-1, EN61347-2-7 and EN61347-2-13	Yes
	EN62384	Yes
	EN55015	Yes
	EN61547	Yes
	Marks CE	Yes

Note: Values are subject to change.

To ensure the correct operation of each type of high power LED module/array the correct output current should be selected on the module (see output current and operating voltage details on the following table).



ORDER CODES	Description
LDCB110	LDCB110 – 110V AC/DC Supply for low power LEDs (Current selectable at module)

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