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Portable lamps & converters

Conversion kit LED



- For LED modules with a forward voltage of 3 – 180V.
- Selectable operating time (jumper).
- Output power limitation and SELV classified.
- Polarity reversal protection from battery connector.
- Automatic shutdown of output if LED load is out of range.
- Low profile casing (35x23x185 mm).
- Charging indicator included and optional test button

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Light Source:

Emergency lighting LED Driver

Low Voltage for 3-33Vdc LED lamps. Output open voltage 40Vdc (SELV).

Medium Voltage for 20-55Vdc LED lamps. Output open voltage 60Vdc (SELV).

High Voltage for 40-180Vdc LED lamps. Output open voltage 200Vdc.

Materials:

Body white polycarbonate

Comes equipped with LED charging indicator to be fixed to the body appliance

Batteries sealed nickel cadmium and LiFePo

Operation:

Non-Maintained operation

Autonomy of 1h and 3h (jumper selectable) or constant voltage output mode (12Vdc, 24Vdc, 48Vdc)

Installation:

Suitable for fitting integral to host luminaire, where thermal and electro-magnetic test results permit

Remote mounting of complete kit, or of batteries only.

Supplied complete with low profile end caps for mounting batteries and LED with 1000mm lead

Applications:

Universities, supermarkets, warehouses, offices and where emergency lighting is required.

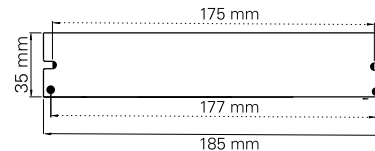
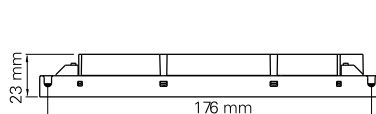
Lighting of escape routes and open areas.

The Conversion Kit LED range is designed for converting mains LED lighting into emergency lighting in conjunction with LED modules and LED control gears. It is compatible with the majority of all dimmable and non-dimmable constant current mains LED Drivers for linear/area as well as down light applications. It also can be used with normal fixed output or dimming LED control gear from 2,5W up to 4,1W emergency output power.

It is designed in a very small 35x23x185mm housing, making it ideal for use in compact LED luminaires where space is at a premium. This range is certified to conform with IEC61347-2-7 standard which makes the converted luminaires easily achieve compliance to IED60598-2-22 standard.

All models available are programmable by a jumper to an emergency operation of either 1 hour and 3 hours duration. The output forward voltage range of 3Vdc to 180Vdc makes this product range an ideal choice for driving most LED modules from mains lighting manufacturers available in the market today.

Conversion kit body



- 1 For LED modules with a forward voltage of 3 – 180V.
- 2 Selectable operating time (jumper).
- 3 Output power limitation and SELV classified.
- 4 Polarity reversal protection from battery connector.
- 5 Automatic shutdown of output if LED load is out of range.
- 6 Low profile casing (35x23x185 mm).

Battery dimensions (in mm)

Type	L	W	H	Fixing centers
4AA	100 (140)	30 (34)	15 (20)	(125)
3Cs	130 (160)	25 (26)	25 (26)	(150)
4Cs	173 (203)	25 (26)	25 (26)	(193)
5Cs	215 (245)	25 (26)	25 (26)	(235)
3D	182 (225)	34 (35)	34 (35)	(210)
4D	242 (285)	34 (35)	34 (35)	(270)
LifePo4	134 (173)	31 (32)	31 (32)	(157)

Technical specification

System Mode	non-maintained
Mains input voltage	230 V AC $\pm 5\%$ (218,5 - 241,5 V AC)
Mains frequency	50/60Hz
Mains consumption	20mA AC @ AA & L cell battery 30mA AC @ Cs & D cell battery
Power factor	0,47
Recharge period	24 hours
Charging monitor	green LED with cable 1m, bi-color green/yellow LED with cable 1m for CGL+ bus
Test facility	by Normally Closed Push button by Normally Open Push button (not applicable on CGL+) by Telecommand signal
Duration	1 or 3h, selectable by jumper
Permissible ambient temperature (ta)	5..40°C
Case temperature max (tc)	converter: 60°C / battery: 50°C
Housing material	polycarbonate
Housing colour	white
Mounting	M4 screws (2 options)
Terminals	mains (L/N unswitched) (L1 switched in/out) up to 1,5 mm screwless pushwire & multicore
Battery	4AA Ni-Cd 4,8V 0,8Ah 2x2pack 3Cs Ni-Cd 3,6V 1,7Ah 3x1pack 3D Ni-Cd 3,6V 4Ah 3x1pack 4D Ni-Cd 4,8V 4Ah 4x1pack 2LiFePo4 6,4V 3,2Ah 2x1pack
IP rating	20
Overheating protection	110°C
Short circuit protection	Non-inherently short circuit proof
Weight	125gr 225gr with 4AA cell battery 275gr with 3Cs cell battery 505gr with 3D cell batteries 685gr with 4D cell batteries 305gr with LiFePo4 cell battery

Order code	Description	Battery
O-LVLD-4AA	Led Kit Low Voltage Driver 3-33Vdc (12Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-LVLD-4AA-TB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-LVLD-3CS	Led Kit Low Voltage Driver 3-33Vdc (12Vdc)	3Cs Ni-Cd 3,6V 1700Ah 3x1pack
O-LVLD-3CS-TB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), with Test button LED, 35 cm	3Cs Ni-Cd 3,6V 1700Ah 3x1pack
O-MVLD-4AA	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-MVLD-4AA-TB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-MVLD-4CS	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc)	4Cs Ni-Cd 4,8V 1700Ah 4x1pack
O-MVLD-4CS-TB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), with Test button LED, 35cm	4Cs Ni-Cd 4,8V 1700Ah 4x1pack
O-HVLD-4AA	Led Kit High Voltage Driver 40-180Vdc (24Vdc)	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-HVLD-4AA-TB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), with Test button LED, 35 cm	4AA Ni-Cd 4,8V 800Ah 2x2pack
O-HVLD-5CS	Led Kit High Voltage Driver 40-180Vdc (24Vdc)	5Cs Ni-Cd 6V 1700Ah 5x1pack
O-HVLD-5CS-TB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), with Test button LED, 35 cm	5Cs Ni-Cd 6V 1700Ah 5x1pack
CGLine+ versions		
O-LVLD-2LCGL	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-LVLD-2LCGLTB	Led Kit Low Voltage Driver 3-33Vdc (12Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack
O-MVLD-2LCGL	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-MVLD-2LCGLTB	Led Kit Medium Voltage Driver 20-55Vdc (24Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack
O-HVLD-2LCGLTB	Led Kit High Voltage Driver 40-180Vdc (24Vdc), CGL+	2LiFePo4 6,4V 3200Ah 2x1pack
O-HVLD-2LCGL	Led Kit High Voltage Driver 40-180Vdc (24Vdc), CGL+, with Test button	2LiFePo4 6,4V 3200Ah 2x1pack
Accessory		
O-CKL-TB	Conversion Kit LED Test Button, Normally Close, with LED charging indicator, 35 cm	
O-CKL-TBCG	Conversion Kit LED CGL+ Test Button, Normally Close, with LED charging indicator, 35 cm	